Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Master Data Governance on SAP S/4HANA

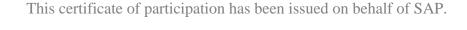Completed on 25/12/2022 07:11 AM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP Master Data Governance on SAP S/4HANA

Completed on 25/12/2022 07:38 AM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

**Assessment: SAP Master Data Governance:
Configuration and Customizing**

Completed on 23/12/2022 12:02 PM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Master Data Governance: Configuration and Customizing

Completed on 23/12/2022 11:43 AM Europe/London

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP Master Data Governance on SAP S/4HANA

Completed on DECEMBER 25, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: SAP Master Data Governance on SAP S/4HANA	25.12.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Master Data Governance on SAP S/4HANA

Completed on DECEMBER 25, 2022

Duration (hours): 19

Unit	Completion (dd.mm.yyyy)
MDG for Material	24.12.2022
Introduction to SAP Master Data Governance (MDG)	24.12.2022
MDG for Business Partner, Supplier, Customer	24.12.2022
MDG for Financials and Hierarchy Management	24.12.2022
MDG Multiple Object Processing and Mass Changes	25.12.2022
MDG Mass Processing and Consolidation	25.12.2022
Process Analytics in SAP MDG	25.12.2022
Customer Connection	25.12.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP Master Data Governance: Configuration and Customizing

Completed on DECEMBER 23, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: SAP Master Data Governance: Configuration and Customizing	23.12.2022

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Master Data Governance: Configuration and Customizing

Completed on DECEMBER 23, 2022

Duration (hours): 16.25

Unit	Completion (dd.mm.yyyy)
MDG Data Quality Management	22.12.2022
MDG Data Quality Enhancements	22.12.2022
MDG Process Modeling	22.12.2022
MDG Data Replication	22.12.2022
MDG Customizing, Setup and Project Strategies	23.12.2022
MDG Custom Objects and MDG Extensibility	23.12.2022

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Processes in SAP Extended Warehouse Management

Completed on 26/11/2022 07:00 AM Europe/London

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Processes in SAP Extended Warehouse Management

Completed on NOVEMBER 26, 2022

Duration (hours): 15.5

Unit	Completion (dd.mm.yyyy)
Warehouse Extensions	26.11.2022
Basic Processes in SAP EWM	24.11.2022
Warehousing Structures and Master Data	24.11.2022
Warehouse Monitoring and Processing with Mobile Devices	24.11.2022
Additional Functions in SAP EWM	24.11.2022
Warehouse Organization	25.11.2022
Optimization of Resources	25.11.2022
SAP Best Practices	25.11.2022
Combined Inbound and Outbound Processes	25.11.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Programming Database Updates

Completed on NOVEMBER 12, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Programming Database Updates	12.11.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Data Migration

Completed on NOVEMBER 12, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Data Migration	12.11.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Integration Technology Interfaces I (BAPI / IDoc)

Completed on NOVEMBER 12, 2022

Duration (hours): 4

Unit	Completion (dd.mm.yyyy)
SAP Integration Technology Interfaces I (BAPI / IDoc)	12.11.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP HANA / SAP HANA Cloud – Development Learning Room

Completed on NOVEMBER 11, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP User Experience Learning Room

Completed on NOVEMBER 10, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Welcome Room

Completed on NOVEMBER 10, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP S/4HANA for Transportation Management Learning Room

Completed on NOVEMBER 10, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP S/4HANA Enterprise Management Learning Room

Completed on NOVEMBER 10, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Warehouse Management

Completed on 06/11/2022 03:47 PM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Warehouse Management

Completed on NOVEMBER 06, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Post-Assessment	06.11.2022
Delivery Processes with Warehouse Management	03.11.2022
Posting Changes and Stock Transfers	03.11.2022
Warehouse Management as Part of Logistics Execution	01.11.2022
Structural Elements	01.11.2022
Interface Between Inventory Management and Warehouse Management	01.11.2022
Putaway Control	01.11.2022
Stock Removal Control	02.11.2022
Internal Procurement Processes with Warehouse Management	03.11.2022
The Warehouse Activity Monitor	03.11.2022
Physical Inventory	03.11.2022

Unit	Completion (dd.mm.yyyy)
Case Study	04.11.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Data Migration Using The SAP S/4HANA Migration Cockpit

Completed on OCTOBER 28, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: Data Migration Using The SAP S/4HANA Migration Cockpit	28.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Custom Code Migration from SAP ERP to SAP S/4HANA

Completed on OCTOBER 28, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: Custom Code Migration from SAP ERP to SAP S/4HANA	28.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Data Migration Using The SAP S/4HANA Migration Cockpit

Completed on OCTOBER 27, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: Data Migration Using The SAP S/4HANA Migration Cockpit	27.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Data Migration Using The SAP S/4HANA Migration Cockpit

Completed on OCTOBER 27, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Data Migration Using The SAP S/4HANA Migration Cockpit	27.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Custom Code Migration from SAP ERP to SAP S/4HANA

Completed on OCTOBER 27, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Custom Code Migration from SAP ERP to SAP S/4HANA	27.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP HANA Smart Data Integration

Completed on OCTOBER 14, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
SAP HANA Smart Data Integration	14.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Decision Service Management

Completed on OCTOBER 14, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
SAP Decision Service Management	14.10.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP PDF Forms Workshop

Completed on JUNE 29, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
SAP PDF Forms Workshop	29.06.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Interactive Forms by Adobe

Completed on JUNE 29, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
SAP Interactive Forms by Adobe	29.06.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

PDF-Based Print Forms

Completed on JUNE 29, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
PDF-Based Print Forms	29.06.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAPscript: Form Design and Text Management

Completed on JUNE 27, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
SAPscript: Form Design and Text Management	27.06.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Form Printing with SAP Smart Forms

Completed on JUNE 27, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Form Printing with SAP Smart Forms	27.06.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Performance Tuning

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
ABAP Performance Tuning	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Advanced ABAP Debugging

Completed on MAY 29, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Advanced ABAP Debugging	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Delta ABAP Workbench SAP NetWeaver 7.0 to SAP NetWeaver 7.51

Completed on MAY 29, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Delta ABAP Workbench SAP NetWeaver 7.0 to SAP NetWeaver 7.51	29.05.2022

This certificate of participation has been issued on behalf of SAP.

udemy

CERTIFICATE OF COMPLETION

SAP Web Dynpro ABAP

Instructors   **Thorsten Desef**

Aveek Ghose

Date   **May 8, 2022**

Length   **11 total hours**

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Fundamentals of Web Dynpro for ABAP

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Fundamentals of Web Dynpro for ABAP	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Programming ABAP Reports

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Programming ABAP Reports	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Dialog Prog.Using EnjoySAP Controls

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
ABAP Dialog Prog.Using EnjoySAP Controls	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Programming User Dialogs with Classical Screens (Dynpros)

Completed on MAY 29, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Programming User Dialogs with Classical Screens (Dynpros)	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Dictionary

Completed on MAY 29, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
ABAP Dictionary	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Objects

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
ABAP Objects	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Workbench Foundations

Completed on MAY 29, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
ABAP Workbench Foundations	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Introduction to Programming with ABAP

Completed on MAY 29, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Introduction to Programming with ABAP	29.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Enhancements and Modifications

Completed on MAY 26, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Enhancements and Modifications	26.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Programming in Eclipse

Completed on MAY 26, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
ABAP Programming in Eclipse	26.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Advanced ABAP

Completed on MAY 26, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Advanced ABAP	26.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP HANA 2.0 SPS05 - SQLScript for SAP HANA

Completed on MAY 22, 2022

Duration (hours): 0.5

Unit	Completion (dd.mm.yyyy)
Assessment: SAP HANA 2.0 SPS05 - SQLScript for SAP HANA	22.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP HANA 2.0 SPS05 - Application Development for SAP HANA

Completed on MAY 22, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: SAP HANA 2.0 SPS05 - Application Development for SAP HANA	22.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Extended Warehouse Management Learning Room

Completed on MAY 14, 2022

Duration (hours):

Unit	Completion (dd.mm.yyyy)

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Programming in Eclipse

Completed on MAY 14, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
ABAP Programming in Eclipse	14.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP HANA - 360° Introduction

Completed on MAY 14, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
SAP HANA - 360° Introduction	14.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Fundamentals of Web Dynpro for ABAP

Completed on MAY 09, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Fundamentals of Web Dynpro for ABAP	09.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: SAP Gateway - Building OData Services

Completed on MAY 07, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: SAP Gateway - Building OData Services	07.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Gateway - Building OData Services

Completed on MAY 07, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
SAP Gateway - Building OData Services	07.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Building Views in Core Data Services ABAP (CDS ABAP)

Completed on MAY 07, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Building Views in Core Data Services ABAP (CDS ABAP)	07.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Introduction to ABAP Programming for SAP S/4HANA

Completed on MAY 06, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Introduction to ABAP Programming for SAP S/4HANA	06.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Introduction to ABAP Programming for SAP S/4HANA

Completed on MAY 06, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: Introduction to ABAP Programming for SAP S/4HANA	06.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Introduction to Application Programming on SAP S/4HANA

Completed on MAY 02, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: Introduction to Application Programming on SAP S/4HANA	02.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Introduction to Application Programming on SAP S/4HANA

Completed on MAY 02, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Introduction to Application Programming on SAP S/4HANA	02.05.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: ABAP Programming in Eclipse

Completed on APRIL 30, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: ABAP Programming in Eclipse	30.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Enhancements and Modifications

Completed on APRIL 16, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: Enhancements and Modifications	16.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: ABAP Workbench Foundations

Completed on APRIL 16, 2022

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Assessment: ABAP Workbench Foundations	16.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: ABAP Dictionary

Completed on APRIL 16, 2022

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Assessment: ABAP Dictionary	16.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: Building Views in Core Data Services ABAP (CDS ABAP)

Completed on APRIL 09, 2022

Duration (hours): 0.25

Unit	Completion (dd.mm.yyyy)
Assessment: Building Views in Core Data Services ABAP (CDS ABAP)	09.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Building Views in Core Data Services ABAP (CDS ABAP)

Completed on APRIL 09, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Building Views in Core Data Services ABAP (CDS ABAP)	09.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Building Views in Core Data Services ABAP (CDS ABAP) - Exercises

Completed on APRIL 06, 2022

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
S4D430EX_EN_Col20_ExerciseHandbook	06.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: ABAP Objects

Completed on APRIL 05, 2022

Duration (hours): 1.25

Unit	Completion (dd.mm.yyyy)
Assessment: ABAP Objects	05.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Fundamentals of Web Dynpro for ABAP

Completed on APRIL 03, 2022

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Introduction to Web Dynpro	01.04.2022
Web Dynpro Controllers	01.04.2022
Web Dynpro Context	01.04.2022
Web Dynpro User Interface	01.04.2022
Internationalization and Messages	02.04.2022
Controller and Context Programming	02.04.2022
Dialog Boxes	02.04.2022
SAP List Viewer for Web Dynpro ABAP	02.04.2022
Value Help, Semantic Help, and Keyboard Access	02.04.2022
Component Reuse	02.04.2022
Portal Integration	02.04.2022

Unit	Completion (dd.mm.yyyy)
Web Dynpro Application Troubleshooting	02.04.2022
Adaptation Techniques	02.04.2022
Post-Assessment	03.04.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Assessment: ABAP Objects

Completed on 26/12/2022 07:31 AM Europe/London

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Objects

Completed on MARCH 31, 2022

Duration (hours): 36.75

Unit	Completion (dd.mm.yyyy)
Introduction to Object-Oriented Programming	24.03.2022
Fundamental Object-Oriented Syntax	24.03.2022
Inheritance and Casting	25.03.2022
Interfaces and Casting	25.03.2022
Object-Oriented Events	25.03.2022
Object-Oriented Repository Objects	25.03.2022
ABAP Object-Oriented Examples	25.03.2022
Global Classes in ABAP Development Tools	25.03.2022
Unit Testing	31.03.2022
Class-Based Exceptions	31.03.2022
Creation of a Comprehensive Object-Oriented Application	31.03.2022

Unit	Completion (dd.mm.yyyy)
Runtime Type Services	31.03.2022
Object-Oriented Design Patterns	31.03.2022
Post-Assessment	31.03.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Hands-on Introduction to Application Programming on SAP S/4HANA

Completed on FEBRUARY 19, 2022

Duration (hours): 8

Unit	Completion (dd.mm.yyyy)
Hands-on Introduction to Application Programming on SAP S/4HANA	19.02.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Create and Deploy SAP Fiori app

Completed on FEBRUARY 06, 2022

Duration (hours): 1.75

Unit	Completion (dd.mm.yyyy)
Video: SAP Fiori Demo XSOData Part 1: XSOData Preparation	06.02.2022
Video: SAP Fiori Demo XSOData Part 2: Create Fiori App	06.02.2022
Video: SAP Fiori Demo XSOData Part 3: Customize Fiori App (1/2)	06.02.2022
Video: SAP Fiori Demo XSOData Part4: Deploy and run Fiori App	06.02.2022
Video: SAP Fiori Demo XSOData Part 3: Customize Fiori App (2/2)	06.02.2022
Video: SAP Fiori Demo Service Layer Part 1: Overview	06.02.2022
Video: SAP Fiori Demo Service Layer Part 2: Connect to Service Layer via HANA XSJS	06.02.2022
Video: SAP Fiori Demo Service Layer Part 3: Connect to Service Layer via Clientside Java Script	06.02.2022
Slides: Create and Deploy SAP Fiori app	06.02.2022

Unit	Completion (dd.mm.yyyy)
Exercise: SAP Fiori: Service Layer with Server-side Javascript	06.02.2022
Exercise: SAP Fiori: Service Layer with Client-side Javascript	06.02.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAPUI5

Completed on FEBRUARY 03, 2022

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Video: Introduction to SAPUI5	03.02.2022
Video: SAPUI5 Demo Part 1	03.02.2022
Video: SAPUI5 Demo Part 2	03.02.2022
Video: SAPUI5 Demo Part 3	03.02.2022
Slides: Introduction to SAPUI5	03.02.2022

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

Web Technologies and Standards

Completed on FEBRUARY 02, 2022

Duration (hours): 0.5

Unit	Completion (dd.mm.yyyy)
Video: Web Applications Overview	02.02.2022
Video: Web Technologies	02.02.2022
Video: Javascript jQuery Library	02.02.2022
Video: Links and References	02.02.2022
Slides: Web Technologies and Standards	02.02.2022

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Web IDE

Completed on JANUARY 31, 2022

Duration (hours): 0.5

Unit	Completion (dd.mm.yyyy)
Video: Introduction to SAP Web IDE	31.01.2022
Video: Get Started with SAP Web IDE	31.01.2022
Slides:Introduction to SAP Web IDE	31.01.2022
Slides: Get Started with SAP Web IDE	31.01.2022

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Certificate

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Aveek Ghose

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SAP S/4HANA Migration Cockpit Part 2

Completed on JANUARY 27, 2022

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Recording - SAP S/4HANA Migration Cockpit Part 2	27.01.2022

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SAP S/4HANA Migration Cockpit Part 1

Completed on JANUARY 27, 2022

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Recording - SAP S/4HANA Migration Cockpit Part 1	27.01.2022

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Certificate

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SAP S/4HANA Migration Cockpit

Completed on JANUARY 27, 2022

Duration (hours): 0.5

Unit	Completion (dd.mm.yyyy)
Recording - SAP S/4HANA Migration Cockpit	27.01.2022

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Certificate

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has successfully completed

SAP Fiori Introduction

Completed on JANUARY 26, 2022

Duration (hours): 0.5

Unit	Completion (dd.mm.yyyy)
Video: Introduction to SAP Fiori	26.01.2022
Slides: SAP Fiori Introduction	26.01.2022
Video: SAP Fiori Elements	26.01.2022
Slides: SAP Fiori Elements slides	26.01.2022

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Certificate

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Assessment: SAP HANA - 360° Introduction

Completed on JANUARY 26, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: SAP HANA - 360° Introduction	26.01.2022

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Certificate

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has successfully completed

Assessment: SAP HANA Introduction

Completed on JANUARY 26, 2022

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
SAP HANA Introduction Assessment	26.01.2022

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Certificate

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Aveek Ghose

has successfully completed

SAP HANA Introduction

Completed on JANUARY 26, 2022

Duration (hours): 10.25

Unit	Completion (dd.mm.yyyy)
Describing SAP HANA	23.01.2022
Architecture of SAP HANA	23.01.2022
Analytical Processing with SAP HANA	23.01.2022
Data Management with SAP HANA	24.01.2022
Developing and Running Applications on SAP HANA	26.01.2022
Appendix	26.01.2022

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Certificate

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has successfully completed

Assessment: ABAP Programming for SAP HANA

Completed on DECEMBER 10, 2021

Duration (hours): 0.75

Unit	Completion (dd.mm.yyyy)
Assessment: ABAP Programming for SAP HANA	10.12.2021

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Certificate

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has successfully completed

SAP HANA / SAP HANA Cloud – Development Learning Room

Completed on DECEMBER 09, 2021

Duration (hours):

Unit	Completion (dd.mm.yyyy)

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Certificate

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Aveek Ghose

has successfully completed

ABAP Programming for SAP HANA

Completed on DECEMBER 09, 2021

Duration (hours): 9.75

Unit	Completion (dd.mm.yyyy)
Introduction	06.12.2021
Taking ABAP to SAP HANA	07.12.2021
Database Independent Code-to-Data	07.12.2021
SAP HANA specific Code-to-Data	08.12.2021
Consuming SAP HANA Objects in ABAP	08.12.2021
Advanced Topics	09.12.2021
Case Study: Optimize a Report on Flight Customer Revenue	09.12.2021

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Certificate

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Aveek Ghose

has successfully completed

SAP EWM – Developer Workshop

Completed on DECEMBER 06, 2021

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
SAP EWM – Developer Workshop	06.12.2021

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Certificate

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Aveek Ghose

has successfully completed

Delta ABAP Workbench SAP NetWeaver 7.0 to SAP NetWeaver 7.5

Completed on DECEMBER 06, 2021

Duration (hours): 12

Unit	Completion (dd.mm.yyyy)
Delta ABAP Workbench SAP NetWeaver 7.0 to SAP NetWeaver 7.5	06.12.2021

This certificate of participation has been issued on behalf of SAP.

Certificate

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Aveek Ghose

has successfully completed

ABAP Development Learning Room

Completed on DECEMBER 02, 2021

Duration (hours):

Unit	Completion (dd.mm.yyyy)

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Certificate

This is to confirm that

Aveek Ghose

has successfully completed

ABAP Objects

Completed on 17/09/2019 09:17 AM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP HANA Introduction

Completed on 22/09/2019 12:32 PM Europe/London

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Gateway - Building OData Services

Completed on 10/09/2019 07:31 AM Europe/London

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP HANA Introduction

Completed on SEPTEMBER 22, 2019

Duration (hours): 16.5

Unit	Completion (dd.mm.yyyy)
Introduction	22.09.2019

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Certificate

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Aveek Ghose

has successfully completed

ABAP Objects

Completed on SEPTEMBER 17, 2019

Duration (hours): 20

Unit	Completion (dd.mm.yyyy)
Object-Oriented Repository Objects	16.09.2019
ABAP Object-Oriented Examples	16.09.2019
Global Classes in ABAP Development Tools	16.09.2019
Fundamental Object-Oriented Syntax	03.09.2019
Class-Based Exceptions	16.09.2019
Unit Testing	16.09.2019
Runtime Type Services	16.09.2019
Creation of a Comprehensive Object-Oriented Application	16.09.2019
Object-Oriented Design Patterns	17.09.2019
Introduction to Object-Oriented Programming	17.09.2019
Inheritance and Casting	17.09.2019

Unit	Completion (dd.mm.yyyy)
Interfaces and Casting	17.09.2019
Object-Oriented Events	17.09.2019
Post-Assessment	17.09.2019

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Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP Gateway - Building OData Services

Completed on SEPTEMBER 10, 2019

Duration (hours): 19.5

Unit	Completion (dd.mm.yyyy)
OData Overview	04.09.2019
SAP Gateway Overview	28.08.2019
SAP Gateway Service Implementation	04.09.2019
SAP Gateway Service Generation	04.09.2019
SAP Gateway Service Redefinition	04.09.2019
SAP Gateway and CDS Views	10.09.2019
Post-Assessment	10.09.2019
SAP Gateway Hub Functionalities	09.09.2019
Further Information	09.09.2019
Advanced OData Options	09.09.2019
SAP Gateway Security	09.09.2019

Unit	Completion (dd.mm.yyyy)
SAP Gateway Service Implementation for OData V4	09.09.2019

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Certificate

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Aveek Ghose

has successfully completed

SAP HANA Introduction

Completed on AUGUST 26, 2019

Duration (hours): 16.5

Unit	Completion (dd.mm.yyyy)
Introduction	26.08.2019

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Certificate

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has successfully completed

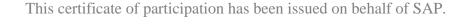## SAP TechEd: Best Practices for Experts for System Conversion to SAP S/4HANA

Completed on AUGUST 26, 2019

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
PDF: CNA402 Session Presentation	26.08.2019

This certificate of participation has been issued on behalf of SAP.

Certificate

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has successfully completed

SAP TechEd: Best Practices for Experts for System Conversion to SAP S/4HANA

Completed on AUGUST 26, 2019

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
PDF: CNA402 Session Presentation	26.08.2019

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

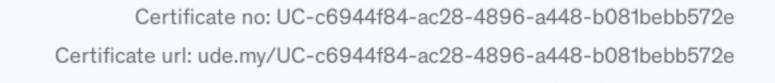## SAP TechEd: Check the Readiness of Your System for Conversion to SAP S/4HANA

Completed on AUGUST 26, 2019

Duration (hours): 1

Unit	Completion (dd.mm.yyyy)
Video: CNA301 Session Recording Subtitles: EN | ZH	21.08.2019
PDF: CNA301 Session Presentation	26.08.2019

This certificate of participation has been issued on behalf of SAP.

Certificate

This is to confirm that

Aveek Ghose

has successfully completed

SAP TechEd: Best Practices for Experts for System Conversion to SAP S/4HANA

Completed on 26/08/2019 10:19 AM Europe/London

This certificate of participation has been issued on behalf of SAP.

Certificate

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Aveek Ghose

has successfully completed

SAP TechEd: Check the Readiness of Your System for Conversion to SAP S/4HANA

Completed on 26/08/2019 09:35 AM Europe/London

udemy

CERTIFICATE OF COMPLETION

SAP MDG - Data Modeling for Beginners with Hands-On

Instructors **Vishal Saxena**

Aveek Ghose

Date **Dec. 7, 2022**

Length **4 total hours**

udemy

CERTIFICATE OF COMPLETION

SAP MDG - Data Replication Framework (DRF) for beginners

Instructors **Vishal Saxena**

Aveek Ghose

Date **Dec. 9, 2022**

Length **3.5 total hours**

udemy

CERTIFICATE OF COMPLETION

SAP MDG - UI, FPM, Adaptations, Derivations and Validations

Instructors **Vishal Saxena**

Aveek Ghose

Date **Dec. 8, 2022**

Length **3.5 total hours**

udemy

CERTIFICATE OF COMPLETION

SAP MDG Workflows (BRF+ Rule Based / Static) with Hands-On

Instructors **Vishal Saxena**

Aveek Ghose

Date **Dec. 11, 2022**

Length **5.5 total hours**

udemy

CERTIFICATE OF COMPLETION

SAP Web Dynpro ABAP

Instructors   **Thorsten Desef**

Aveek Ghose

Date   **May 8, 2022**

Length   **11 total hours**

Virginia Polytechnic Institute and State University

The Board of Visitors of the Virginia Polytechnic Institute and State University has conferred upon

Aveek Ghose

upon the recommendation of the Faculty, the degree of

Master of Arts

with all the rights, privileges and honors pertaining thereto. In testimony whereof, the undersigned, by authority vested in them, have hereunto affixed their signatures and the seal of the University at Blacksburg, Virginia this fourteenth day of May, nineteen hundred and ninety-four.

C. C. Garvin Jr.
Rector

Robert C. Bates
Dean

Paul E. Torgersen
President

J. K. Peters
Dean

George Mason University

hereby confers upon

Aveek Ghose

the degree of

Master of Science

Information Systems

together with all the rights, privileges and honors thereunto belonging in consideration of the satisfactory fulfillment of the requirements prescribed by the Faculty.

In Testimony Whereof this Diploma, signed by the authorized officers of the University under the corporate seal attested by the Registrar, is granted at Fairfax, Virginia, this fifteenth day of January, A.D. 1994 and of the Commonwealth the Two Hundred Eighteenth.

Joseph A. Heastie
Rector

Richard F. Dance
Registrar

George Johnson
President

Andrew P. Sage
Dean, School of Information
Technology and Engineering