



# Pushpraj Yadav

Roll No. – 11010153

B. Tech in CSE [2011-15]

Department of Computer Science and Engineering  
Indian Institute of Technology Guwahati

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Degree	Institute	CGPA/%	Years
Bachelor of Technology	Indian Institute of Technology Guwahati	6.19	2011 - 2015
HSC	JNV Churhat, Sidhi, MP	90.40	2003 - 2010
SSC	JNV Churhat, Sidhi, MP	92.20	2003 - 2008

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## PROJECTS

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### ***LZW: A Dictionary Based Compression Techniques [BTP Thesis]***

*Jan 2015 – April 2015*

*Dr Pinaki Mitra, Associate Professor, IITG*

- Studied how the Compression Ratio depends on the entropy of the data to be compressed and verified the results by plotting compression ratio Vs Entropy graphs.
- Observed how the dictionary size affects the compression ratio.
- An individual project.

### ***Event Management Portal***

*Feb 2014 – April 2014*

*Dr. Sanasam Ranbir Singh, Assistant Professor, IITG*

- It is an online Event Management Portal where new events can be published, organized and managed.
- Front-End is the website interface that is made using HTML, CSS, PHP, JavaScript.
- Back-End is the database part to manage all the event details implemented using SQL.
- Worked in a group of 5 people.

### ***Mini Search Engine***

*Nov 2012 – Dec 2012*

*Dr. Saswata Shannigrahi, Assistant Professor, IITG*

- Implemented in C++, using hashing data structure. Correctly searches for words and phrase and tells its position in the concerned text file if it is present in the file.
- Worked in a group of 3 people.

### ***Online Shopping Portal***

*Jan 2013 – Feb 2013*

*Dr. Pradeep Kr. Das, Associate Professor, IITG*

- It is a portal that provides an interface that can be used along with a database server to maintain a shopping system.
- It facilitates logging as both user and the admin accounts. Front-End is made using Visual C++ and the Back-End is in MySQL to manage the database part.
- Worked in a group of 6 people.

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## ACHIEVEMENTS

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- AIR 5524 in JEE 2011 [Category(OBC) rank – 764] [Among .5M]
  - AIR 9219 in AIEEE 2011 [Among 1.2M]
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## TECHNICAL PROFICIENCY

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- **Operating Systems** : Microsoft Windows, Linux
  - **Programming Languages** : C/C++, Visual Basic, Visual C++, Java[Basics], Python[Basics]
  - **Web Development** : HTML, CSS, JavaScript, PHP
  - **Database Management** : MySQL
  - **Others** : MS Visual Studio, MS Office, Eclipse, Latex
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## RELEVANT COURSES

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Data Structures and Algorithms	Data Communication
Operating Systems	Compilers
Computer Networks	System Software Laboratory
Software Engineering	Formal Languages and Automata Theory
Databases	Digital Design
Distributed Systems	Multimedia Systems
Theory of Computation	System Programming Laboratory
Data Structures Laboratory	Computational Geometry
Networks Laboratory	Software Engineering Laboratory
Database Laboratory	Computer Architecture

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## PERSONAL INFO.

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- ❖ **Father's Name** : Mr. Ramesh Kumar Yadav
  - ❖ **Permanent Address** : At Dhavai, Post Bairdah, Tehsil Chitrangi, Distt Singrauli, [MP]
  - ❖ **Date of Birth** : 28<sup>th</sup> December 1992
  - ❖ **Languages known** : English, Hindi, Marathi
  - ❖ **Marital status** : Single
  - ❖ **Interests** : Travelling, Playing Table Tennis and Cricket
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