

Statement of purpose

My interest on computers sparked ~~earlier~~ from my childhood. During my week-end, I used to visit my dad's office ~~since~~~~because~~ I got bored~~felt boring~~ at home for the entire day. I engaged ~~myself~~~~my time~~ in using my dad's PC without ~~even~~ knowing basic computer knowledge. Before learning ~~things~~, I started operating ~~PC~~~~System~~. As like ~~my peer group~~, ~~all other children~~ I too thought computer is just to make calculations and to print ~~stuffs~~. In ~~due~~ course of ~~time~~, I started realizing its potential.

Commented [u1]: Either use 'weekend' or holiday

When I stepped into my undergraduate course on ~~I~~information technology, to my surprise I got an opportunity to attend workshop on ethical hacking ~~in~~~~by~~ my first year ~~of course~~. Those days, I was exposed to basic programming languages and few concepts related to it. By the second year, ~~of course~~ I was technically exposed to ~~the~~ real world of programming. ~~Curiosity tempted~~~~My interest made to me~~ ~~use my leisure time~~ ~~found time after college~~ to search techniques regarding hacking in YouTube and some e-learning websites.

When maturity strikes, I understood that good programmer has the responsible of safeguarding priceless data from ~~a~~ hacker, ~~By~~ the time, I had completed learning networking concepts. We need to look for a technique that transmits data from one host to another in firms where privacy plays a vital role than data. My carrier plan was to give a hard punch to dark web players by encrypting data in more secure manner. Though my aim towards data privacy was very high, I was just able to protect my personal data from attackers. Hence, I decided to work ~~on~~~~towards~~ safeguarding vital data. As a common human mind, we focus on data security in every message we send, ~~and~~ every phone calls we speak.

Even from my childhood, I used to practice encryption methods for writing my mobile pin in a paper for reference or sharing answers with friends during examination. Later on I realized that I was unknowingly practicing my own algorithm. These were ~~quite~~~~quiet~~ interesting memories to remember. Basically, I was from a family where technologies are seen as ~~expensive~~~~the richest~~ things. Traditional equipment was preferred much for processing data, even now our college gate entry is manual mode though we have ~~a~~ biometric, ~~I~~ it is not preferred mostly.

Even we have ~~a~~ millions of methods to encrypt data, using man power makes private firm a tedious task. Machine learning will ~~also~~ play a ~~key~~ role in this, we need to encrypt every message transferring through network with ~~a~~ different key. Hackers target data not only in cloud or during transmitting, they also keep on breaking ~~down~~ physical authentication of devices. Though we found various ways to authenticare, we failed to encrypt those data before taking into backend. Now a days, we prefer block chain method to safeguard our authentication but I feel alerting users when some anonymous ~~user~~ uses ~~the~~ ~~gadgets~~ will make it additional wall.

I wished to be a part of team instead of doing everything as ~~an~~ individual, because team work paves way for ~~a~~ better result. ~~We~~ I formed a team of like-minded programmers from my class and we did ~~small~~ mini projects on networking. I wish to do my post graduate program in ~~eybersecurity~~~~cyber security~~ and cryptography, so that I may get exposure to various things other than what I have surfed. It will be a great opportunity for growing minds to work with professors

on their huge research projects. I found this as a key to open my research interests toward the area of my interest and develop further from this kind of fellowship.