SOP for MS in Computer Science Engineering

Name of the applicant : Nitin Kishan Gupta

Course applied : MS in computer Engineering

Although pursuing my undergraduate in Electronics and Telecommunications Engineering I developed an interest in the software domain. My journey in the field of Computer Science began in my second semester of engineering where we were introduced to the C language. I was absolutely fascinated by the concept of making the computer do things that you wish from it. Later I came across this amazing language called "Python" and that's when I knew this is what I want to do for the rest of my life. The endless applications of Python software in development, Machine learning, Artificial Intelligence all culminated into this big passion towards the software field. Having the knowledge of both hardware(from my Electronics and Telecommunications domain) and software allowed me to expand my horizon of looking at things in a creative approach. In my second year I implemented a car game that dodged the obstacles sent to it's path. I also added a score recorder and even background music to keep the player engrossed and excited throughout the game. As the player dodged most of the obstacles the speed and width of the obstacles increased, this increased the difficulty.

Later I applied for the scholarship program provided by Amazon Web Services which introduced me to the most interesting application of Python - Machine Learning. This was a 3 month program where I got to learn the various terminologies used in Machine Learning and Data Science. I also developed a package of the Gaussian class in the term of my program. I got to have hands-on experience on ML's latest technology like computer vision using AWS DeepLens, generative AI and Reinforcement Learning. It was a very educational experience. I then started exploring the web development domain with HTML, CSS and JavaScript. This was a joyful experience as I even developed projects relating to this domain.With all this experience i set to do an internship, I completed my internship in Web development where i got to explore data storage and accessing with MySql, in this internship I developed a website which was responsible to collect information of people and display it in tabular format using HTML, CSS, Bootstrap, MySql and php. Currently I'm pursuing my second internship at The Sparks Foundation where I have developed 2 small projects and 1 major project. This internship is on Data Science and Business Analytics. I have also enrolled in the Amazon CloudU program to expand my knowledge in cloud technology and get more hands-on experience in this field.

The thin line that separates 'knowledge' from 'application' and 'willingness' from 'doing' also delineates success and failure. With this belief my three Ps or mantras have been persistence , passion, and positivity in my professional as well as personal endeavours. I strongly believe that the Masters in Computer Science with specialization in Data Science programme offered at will help me gain a better understanding of the field of data analysis. Post my masters, I see myself working with companies like Google, Amazon, IBM, or research labs, contributing to the research and software development for solutions with expertise in textmining, machine learning and cloud computing. In the long run, I plan to set up a software firm and build solutions for businesses and people requiring expertise in NLP and Machine Learning.

The 's program for Master of Computer Science with collaborative masters in Data Science includes course work and research in my area of interest. The department website shows a highly learned faculty involved in research in the area of big data and data analytics which attracts me even more.

I eagerly look forward to making valuable contributions to academics, research, and the overall environment at your esteemed university.

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To,
The HR Manager
Zycus Inc
Plot No . HC-08
 BKC, Mumbai.

Dear Sir/Ma'am,

I, Nitin Gupta, am a recent graduate from Xavier institute of Engineering, Mahim. I hold a Bachelor's Degree in Electronics and Telecommunications and I am putting forward my resume to be considered for the position of Procurement Analyst that has recently opened up at ZYCUS.

As per the job requirement, I feel that I am a suitable candidate for this position. I bring strong leadership aspirations and key strengths in critical thinking, leadership and team-building. Focused on continued growth and progress, I am skilled in improving operations and processes while inspiring teams to deliver superior performance.

Apart from this I have interned as a Data Analyst at STIGE due to which I have a strong command over MS Excel. I have been the group leader for my college projects which made me responsible for sourcing the physical components even during the lockdown, which I accomplished successfully. This instilled the skills of Time and People Management, Valuing Opinions, Co-operation, Responsibility and Leadership Qualities.

Due to these experience's and skills, I feel that I am tailor made for this role and I am keen to join your organization as it offers tremendous growth opportunities and avenues to expand my skill set and knowledge.

Thank you for reviewing my letter and I hope that you would give me an opportunity to prove my mettle. I have attached hard copies of my resume, certifications and experience letters herewith for your perusal. Looking forward to hearing from you.

Sincerely,
Nitin Gupta

1) Tell me something about yourself?

   Ans: My name is Nitin Gupta , I completed my SSC with 76.40% and my HSC with 60%. I currently have a CGPA of 10. My areas of interest is in web development. I am proficient in coding in python and C language. In my Second Year we made a Motion Sensor using PIR and Arduino and I am currently working on an Line Follower robot using MSP430.

2) Where do you see yourself in 5years?

   Ans: As I am currently a fresher, I am eager to learn and grow my skill set as a professional. Due to this, I see myself growing in knowledge and experience along, while also enhancing and contributing towards the organizations growth and success. I also see myself improving my designation and eventually leading a team as a manager.

3) What are some of your strengths?

   Ans: I am good at collaborating and co-operating with others and an all-round team player. Being patient, tolerant and having a listening ear are some of the managerial qualities that I possess. I am a strict follower of punctuality thus ensuring that I complete all my assigned tasks as well as ensure my colleagues I am responsible for complete their tasks in time.

4) Why do you want to work at our organization?

   Ans: Your organization has been on a tremendous growth curve and I believe I could contribute to it positively as well as enhance my skills and experience. Being such a reputed and experienced company, it has always successfully met it's client's needs. It would be an absolute honor to join your esteemed organization given the opportunity.

5) You are from the EXTC department but are applying for a job in an IT company. What is the reason behind that?

Ans: When I started exploring my career options, I was inclined towards hardware and thus I opted for pursuing Bachelors in EXTC. However, during these 4 years of college, I have been exposed to a variety of coding languages which have piqued my interest and I decided to pursue a career in the IT Industry.