SOP

I became enamored with computers at a very young age. I found the development of computers throughout history and their capabilities as a tool to be fascinating. As I grew older, this admiration of computers lingered in the back of my mind. I eventually decided to pursue a career in computer science. I was confident that this engineering career would be a suitable fit for me after earning outstanding grades in my tenth grade. After passing my tenth, I decided to continue working toward my objective. When I was in high school, I wanted to broaden my horizons in the field, so I got involved in activities like managing the lab in every computer class. I paid close attention to what my classmates were working on and how they were using their knowledge so that I might learn more. When I discovered that mathematics is the foundation of computer science, I started doing exceptionally well in science and math. I've had the chance to learn about the world of computer science and networks as an engineering student, but I think that getting a master's degree in this field will be both hard and motivating for me. Thus, I am applying to the University of Illinois, Chicago for a Master's in Computer Science.

I have always managed to maintain a strong academic record while also finding time to devote to extracurricular activities and projects. I passed the secondary school examination in 2017 from Scholars Valley School with a 9.8 CGPA. After this, I completed the higher secondary school examination in 2019 from Narayana College with a CGPA of 9.7. Further, I am currently in my fourth year of my bachelor of Technology, specializing in computer science, and will be graduating in the year 2023. I have maintained a CGPA of 8.57 so far. I was awarded a scholarship that gives me a 25% concession on my yearly fees at my current university. I volunteered at an NGO that helps underprivileged students. I helped out with their homework and organized activities for them. It was a great experience for me, and I'm glad I was able to help out. I am doing a research paper with my friends under the guidance of an experienced professor. This is a great opportunity to learn more about the research process and to gain some valuable experience working with others. I am confident that we will be able to produce quality work that will be a valuable contribution to the body of research on our chosen topic. I have taken many online courses in data science, which have helped me learn about various data science concepts and tools. These courses have also helped me develop my skills.

I worked as an intern web developer at Data Vector in Delhi from July to September 2022. I worked on a live project with the backend team to develop a product of a photograph ranking system. I worked with extensive APIs to render info from the backend and store every possible usage in the database. I made the front end of the website from scratch using React JS. I developed the Main page, Jury Site, and Admin Site. I worked with various React components which improved the performance of the web app exponentially. The skills I used were React and Django. I am currently working with various development teams to manage the website's design for an active community of 4 lakhs + active users. I have also worked with a colleague to make an admin panel using Django of data stored in PostgreSQL. I have applied ML Algorithms for building a recommendation system for a better user experience infused with neural networks for a stable system. I am also working with a colleague on NLP to develop a toxic relief filter for keeping a toxic-free community. I am also working on the creation of Apis for huge data that'll be integrated into the main web app. The skills that I have used in these projects are Machine learning, Deep Learning, NLP, Django, React, and SASS.

But one thing that has stayed constant throughout all of my experiences is the existence of computers. As mentioned, I can see computer applications taking the lead in the field. In all of my roles and endeavors, the task has always been to serve the client. I, therefore, think that now is the best time for me to enter the field of computer science.

By giving me diligent skills, broad knowledge, and industry experience, the equivalent program at University of Illinois, Chicago will equip me with strict competence and comprehension. Additionally, seminars, lectures, workshops, and conversations that are part of collaborative learning will undoubtedly give you a deep understanding of the complexities and difficulties in the subject. The courses will give me

the all-around education I need to work on developing creative and interesting user experiences, emphasizing both theory and practical expertise. The thoughtfully created curriculum includes modules that offer in-depth information about the subject matter.

I will apply the lessons from computer science and technology to the fundamental task of programming after thoroughly engaging with the modules through interactive classroom sessions. This will help me consider the possibility of eventually specializing in this field. In the long run, I want to work as a computer system analyst for an MNC where I can put my skills to use and get the exposure I need.

I'll be more equipped to succeed in my chosen field and land lucrative chances if I earn a master's degree. The USA is my favorite location for further study since the standard of instruction at American universities and the prospects for job advancement there are unparalleled. The value of a degree from the United States is respected throughout the world, which would enable me to explore chances in various locations and acquire exposure to diverse cultures to further my profession. The universities in this area also have the top-notch infrastructure, which makes for a comfortable and engaging learning environment.