

In the span of just a few decades, computers have revolutionized our lives. We cannot get through supermarket queues without them, nor can big multinational corporations function without their help. This evolution of a simple calculating machine into an indispensable part of human life is what encouraged me to apply for the undergraduate degree in Computer Science at Cambridge University. Computers have enchanted me since I wrote my first code in BASIC language on a Windows-98 desktop computer in my school in India. Fast forward to my high school years where I took up advanced computer science and algorithm courses, and coding still retains its charm. Besides academics, I am an ardent writer and regularly post blogs on my website- Musings of a Digital Nomad. I often combine my love for writing and technology and create articles discussing the new developments happening in the software industry every day.

I am specifically interested in learning the design and development process of new applications and technologies being released in the IT world every day. I am interested in learning the theoretical concepts which drive the creation of these new technologies. But, I also want the chance to test out and develop my own theories. The strong practical and lab facilities available at the Dept. of Computer Science in your institute makes me confident that I will have that chance here. In preparation for a BSc. in Computer Science, I have studied Java Development and Python Programming. During the summer break in my high school year, I had the exclusive chance to be a part of the 14 day Pre-college Summer Technology Program for High School Students at the Indian Institute of Technology- Delhi. The program gave us a chance to learn from some of the finest academicians in the field of Computer Science and also introduced us to the hot topics in the IT world such as cognitive technologies. As part of this program, I have also developed a Java application designed to help educational institutes streamline their Online Course Management System. Working on this project gave me insight into the actual process of building a software application from scratch. It also taught me how important it is for developers to be able to function as part of a team.

The strong emphasis of the Computer Science B.Sc. program on foundational concepts as well as the practical application makes me confident it is the best degree choice for me. I am particularly interested in the foundational algorithms, data structure and Java development courses offered as part of this program. I am also keenly interested in the final year internship program offered with this course which allows students to incorporate one semester of industrial experience into their course structure. I strongly believe that being chosen for this program will be my first step in achieving my dream of becoming a Software Developer at a reputed organization and developing practical software solutions to business scenarios.