Admission Essay (Georgia Tech)

Please describe your background (academic and extracurricular) and experience, including research, teaching industry and other relevant information. (2000 characters)

I completed my intermediate in 2016 in Science stream scoring 97.2% aggregate. In the same year, I joined XXXXXX to pursue an undergraduate degree in Computer Science. I studied well to maintain a near perfect CGPA of 9/10, throughout my engineering years and the university recognized my diligence with a scholarship award by refunding 25% of my tuition fees. I graduated in 2020 amongst the toppers in my batch.

My undergraduate academia includes disciplines of Computational Theory, Data Structures & Algorithms and Computer Programming, thereby developing competent skills in software development including Python, Java (Spring Boot Framework), Core Java, Java Script, Django, MySQL, MS- SQL. At Amrita University, I was amongst the 45 finalists out of 1900 participants at the Philips Hackathon (2018). Through research, I studied Machine Learning and Human Computer Interaction (HCI) with an aim to design optimized algorithms. I developed a project: 'Course Management System' application, developed using a Spring Boot framework. I presented and developed two research projects using Machine Learning concepts. The first one being Diabetes Prediction Application using Supervised Learning Algorithms (2019). Later, I created an application for Employee Attrition using Data Mining and Machine Learning approaches to retain the talent within the organization and minimize the recruitment costs. To my delight, this project was published in the Test Magazine journal.

Outside the classroom, I was an active mentor at the college coding club (Code@Amrita). I also founded the SLAC (Stay Late & Code) club at the campus which to date stands proud in my university. I contributed to the Student Social Responsibility Club as a volunteer for welfare work in Nalgonda District, Telangana.

Since January 2020, I have been working as a software engineer with Cerner Corporation, Bengaluru. In the past 18 months I have worked on progressive client projects including the 'Browser Neutrality Project', created an AI based conversational chatbot on MS Azure and developed an MVC Project (Jan 2021) called 'ClairviaDataAPIRest'.

Currently I am working on a Security Permission Project. My competence has fetched me multiple awards from my employer in the categories of Cerner Bravo and the Star of Iteration award, four times in 2021. My application at Georgia Tech is a continual step to keep augmenting my knowledge bank with legit education and enriching experiences.