

Since childhood, I have been good at subjects related to logic, mathematics and statistics. My natural affinity for these subjects extended to real-life situations where I would always try to devise solutions to problems using my logical thinking abilities. This naturally converted to an interest in engineering subjects and I pursued Computer Science for my undergraduate degree. It was during this period that I was introduced to subjects and lab courses that taught me the importance and uses of data. My innate interest in problem-solving coupled with the potential of data to bring groundbreaking innovations drives me to the field of Data Analytics. To gain more knowledge about its potential, I took up additional courses in advanced technologies like ML and Python programming and found myself glued to the concepts I learnt. I then made a decision to pursue a career in the field as a successful Data Analyst in a reputed organization, examining complex trends in the market and contributing to business growth. In order to pursue my passion, I need to advance my understanding of the field through an MS in Data Analytics and hence I apply for the same in your esteemed university.

Some of the subjects I came across during my undergraduate course like Analysis and Design of Algorithms, Compiler Design, Applied Mathematics played an important role in enhancing my understanding of data science. I also developed an interest in management through courses like Management Information System, Database Management System, Software Engineering & Project Management. Along with the theory courses, some of the lab courses like Data Structures Lab and Database Management System Lab were crucial in teaching me the practical working of the concepts I learned in the classroom.

I always aimed at using my technical knowledge to solve real-world problems and the projects I undertook during my course gave me the right platform to accomplish this. I undertook two minor projects and a major thesis project. The first of the two focussed on developing an Automated Attendance System using Facial Recognition. My main motivation to work on this project was to eliminate the drawbacks of the standard attendance system like the manual effort, time consumption and proxy problems. The objective was to develop a tool using Facial Recognition techniques including a supplementary tool using machine learning algorithms to record facial changes for a longer period of time. I implemented the system using Python artificial language and enhanced my skills in the same during the process. My next project involved developing a Supply Chain Management System to help companies keep track of various management procedures of a business. I implemented the application in Java using JSP and JDBC along with HTML as the front-end and MS Access as the back-end database. **<add what you learnt from this project>.**

Motivated to contribute to the field of healthcare and explore the nuances involved at the front end and backend content of a website, for my thesis project, I built a doctor consultancy website named [www.doctorinn.in](http://www.doctorinn.in). The main objective was to save time spent on manually booking appointments with the doctor. I developed a website where the doctors of my town may register

themselves through a certificate form. To execute the project, I used technologies like HTML, CSS, Bootstrap, HTML-5, CSS-3, PHP, MySQL, Ajax, JQuery and AngularJS and learnt how data is given at the front end and stored at the back end to the server. I also developed my creative skills and learnt the right use of tags and components. Working on this project was instrumental in helping me understand various concepts in the field and how they are used to build useful products for people.

To hone my skills in Android application development, I did an internship course on Android Studio. As a part of this course, I developed an Android application based on News, Fitness and Instagram. <add what motivated you to take up this project>. I used tools like ADB, AVD Manager, Eclipse, Fabric, FlowUp, Genymotion, Gradle, Instabug, LeakCanary to develop this application and on completion of this, I was equipped enough to develop a complete android mobile application based on various factors like Business, Profile, Social Media and others. To enhance my understanding of Linux, I took a course on this as a part of which I learnt to grasp the commands and became a frequent user of this operating system. Apart from these courses, I took up training programs on languages like C, C++, Python, Java and Digital Marketing and Web Development to strengthen my knowledge in these areas.

My interaction with brilliant minds during my training, internship courses and my subject in the curriculum exposed me to the world of data and my further discussions with my professors shed light on the career opportunities in the field. This, along with my natural interest in problem-solving, finding logical patterns and analytical thinking proved Data Science to be my field of passion. My undergraduate studies gave me a thorough understanding of computer science in general and in order to establish a career in data science, I need to equip myself with advanced knowledge through an MS program. After completing my studies, I aim to become a Data Analyst, Data Scientist, Data Architect, Algorithm Engineer in a reputed organization and derive valuable insights from data to make important business decisions. In the long run, on gaining in-depth knowledge in the industry, I would like to pursue Doctorate in Data Science.

Upon careful research, I have come to a decision that a Master's in \_\_\_\_\_ from \_\_\_\_\_ University is the next right step to achieve my goals. I am particularly gripped by the courses offered in the curriculum and I am looking forward to learning under the guidance of erudite professors like \_\_\_\_\_ and \_\_\_\_\_ whose research interests align with mine. I am also highly interested to be a part of student communities like \_\_\_\_\_ and \_\_\_\_\_ owing to my interest in activities outside my academic curriculum to develop a holistic personality. Given an opportunity, I assure you that I will be a valuable addition to your bright group of students.