

In this era of technological advancements, the potential of Big Data keeps growing. Effective management and utilization of large amounts of data has helped companies across various domains implement effective systems that aid in overall enhancement in terms of productivity and revenue. Data driven decision making is becoming an indispensable part of any organization and I am intrigued by the limitless potential of the field. Having developed a passion towards the field, I wish to work on mission critical projects solving major issues across various industries with the effective implementation of data. With this goal in mind, I realize the need for an in-depth knowledge of Data Analytics and its related fields. I see pursuing a Masters program in _____ specializing in _____ as the ideal step forward.

I have completed a B.Tech (Bachelor of Technology) degree in Computer Science and Engineering where I developed a deep interest in Java Programming including Data Structures, Probability & Queuing Theory, Database Management Systems, Data Mining, Artificial Intelligence and Expert Systems, and Microprocessors and Interfacing. My undergraduate program consisted of eight semesters. I have achieved the 1st rank in my section on three occasions and scored the highest in mathematics, Database Management Systems Theory as well as Laboratory.

To broaden my knowledge further, I worked on some projects that proved to be extremely helpful to me. The first project was a group project completed during my Semester break in May-June 2016. I completed a 40-day ASP.NET course from HP and I developed a web application named "Airline Reservation System" which enabled customers to search flights for a particular date, and carry out reservation of flights as well as its modification or cancellation if requested. We used technologies like C#, HTML, CSS with AJAX, and MySql. The IDE used for the development was Microsoft Visual Studio. I also completed a project that aimed at creating mobile application, one for Android and one for Windows Phone. This project was called Ultimate Indian States Guide. This app basically provided information about the various Indian States. I developed an extended version of this app, "Indian Trivipedia" which included a quiz as well.

A hands-on experience on the projects motivated me to work on a Thesis Project that was based on the topic "Case based Comparative study of RUP and Agile Methodology". It basically dealt with a comparative study between Rational Unified Process and Agile Methodology Techniques of Software Development. I worked with a team for this project and developed a software application using both the methods, compared the development process and provided conclusions on the same. We utilized tools such as Microsoft Visual Studio and technologies such as C#, HTML and CSS with AJAX. I have also published various mobile apps on both Google Play Store and Windows Phone Store - "Ultimate Indian States Guide" & "Indian Trivipedia" on Google Play Store and "Ultimate Indian States Guide" & "Cybonito 2K15" on Windows Phone Store. "Cybonito 2K15" was the official Windows Phone application for our CSE department's techno-cultural fest, "Cybonito" conducted in 2015. My professors were impressed with my knowledge and achievements and occasionally asked me to train students in my batch on certain topics that I am well versed with. I have also mentored a team of juniors during the college fest and provided them with technical and organizational support to conduct the event successfully.

During the final year of my under graduation, I bagged offers from four MNCs - Infosys, Wipro, TCS and Nokia (formerly known as Alcatel-Lucent). I choose to work with Nokia as the project they offered interested me a lot. I have been working as a Senior Engineer in the organization since June

2016. Here, my main responsibility is to develop various software and applications using Java along with various other tools and frameworks such as Spring, Hibernate and practices like DevOps. I also used various other tools such as docker, eclipse, and Jenkins for effective software development. My two plus years of working in the company has significantly improved my technical skills and a great understanding of client expectations and business models. I have actively participated in various team discussions and provided suggestions and solutions regarding the problems we face. I was also involved in training new members of the team to write various manual as well as automation tests. These trainings have helped me understand the project in detail.

I have also participated in various technical events and contests held in the organization. I consecutively won the Nokia Fedex Day Competition in 2017 and 2018 which is an annual innovation competition held by Nokia, Chennai. We had to present our idea, develop and implement a prototype in just 24 hours, which drove me to come up with efficient solutions in a short span of time. I also came across technologies like GIT, Shell Scripting during the events. The competitions exposed me to working in a pressurized environment and to strive to achieve an outcome efficiently. Apart from this, I also worked on a side project, "Nokia TV App 2.0", which provided statistics about the internal Nokia products. I also observed that the software developers are not provided with the information/ feedback about coding patterns and their skill-set. I realized the sheer size of the data and the absence of an effective mechanism to analyze it made it difficult to provide the required information to the Software Developers. I felt the need to have specialized knowledge in various Data Analytics tools such as Hadoop and Spark. Through this, I developed a passion to equip myself with a thorough understanding of Data Analytics and Data Mining techniques. With this goal in mind, pursuing a Masers program in _____ focussing on _____ appears to be the ideal step forward.

Other than my focus on academics, I have also participated in various cultural and sports events. I participated in dramatics and group dancing events during my schooling days. During my undergraduate years, I participated in Model United Nations (MUN) as a delegate of a country and provided facts about the topic in discussion with respect to the country. I also participated in the ISTE forum which was an event conducted during weekends where we were given an opportunity to research and present a topic of our choice and answer questions during an open Q&A session with the audience. I have delivered speeches on topics such as Web Designing and Stuxnet. Also, I was in the core committee that organized various events held at the institution. Prior to becoming a member of the core committee, I organized and conducted a technical event named "Guess the Tech" and also gathered sponsors for the event. I have headed our team during the Nokia Fedex Day Competition and also led a 5-member project team during my ASP.Net course from HP. I am also actively involved in social activities initiated by my organization. We organized campaigns and collected donations to help the flood-stricken state of Kerala. I also partake and donate blood in blood donation camps. Through these years, I have worked with several teams with people coming from various paths of live and diverse backgrounds. These experiences have helped me polish my leadership, communication and listening skills. They also helped me present ideas in a meaningful and acceptable way.

My inclination towards the field of Data Science drives me to attain the expertise required to get actively involved in the analysis of large amounts of data and provide meaningful information and inferences. I want to contribute to businesses effectively to improve their performance and achieve one of the top-most levels with the best companies in the world and work towards streamlining/

managing their data and helping them chart an efficient way to utilize their funds. Using the skills I will gain through your extensive program, I also desire to invent/ create products that will benefit the customers. A Specialization in Data Analytics at your University will not only help me achieve my goals but also help me develop an edge in the industry.