

# STATEMENT OF PURPOSE

It is needless to argue that today computers are fundamental to almost all spheres of modern life. Business, accounting, design, healthcare – everything is computer-mediated. From being used as mere calculators, computers have come to be used in all aspects of our daily lives, however simple and complex! I have always been interested in computers and am forever fascinated by the millions of functions it can perform. The most dynamic field in today's time, computing, can become the most booming industry in today's world. Talking of the recent advancements, mobile technology is the most fantastic outcome of computer science. Thanks to developments such as these, the consumer has communication, search, and data analysis – all, not just at hand, but at the touch of a finger. These kinds of technological innovations have always given me a high and pushed me to learn more about the technology and be at the forefront of such innovation, to be counted amongst those who create.

A master's in computer science will give me that knowledge and power that is needed to create. It will enable me to study the theoretical foundations of information and computation and their implementation and application in computer systems. My Computer Science background has equipped me with the fundamentals to pursue a Computer Science graduate program at your reputed university.

Furthermore, when it comes to my academics, I completed my High School in one of the best schools in my city with a grade point of 8.7. My keen interest in logically oriented subjects made me choose Mathematics, Physics, and Chemistry as my major subjects at the pre-university level completing it with 92.8%. My Undergraduate at Velagapudi Ramakrishna Siddhartha Engineering College, which is the first private engineering college in Andhra Pradesh, has been the most gratifying and resourceful where I realized that computing was my calling and that being an engineer is not about getting a degree and doing a job. However, it is about creating things that would add extra comfort and safety to people's life. Since my sophomore year, every small tool designed out of precision intrigued me as an engineering masterpiece.

My under graduation at V.R Siddhartha engineering college helped me gain in-depth knowledge about various computer science domains such as the Internet of things, Artificial Intelligence, and Database Management Systems. I had taken up courses such as Artificial Neural Networks, Discrete mathematics, Design and Analysis of Algorithms, Microprocessors and Microcontrollers, operating systems, Data structures, and Advanced Data Structures, Machine Learning, etc.,

During my Under graduation, I made myself a professional in programming by participating in a couple of hackathons on IoT and Deep Learning and also by solving various coding challenges and technical quizzes on various platforms such as hacker rank, Code Chef, etc.; I have a piece of excellent knowledge in programming languages like C, Java, and python and worked on operating systems such as Windows and Linux.

I did various online certifications such as "Programming in python" from "Intern Shala" with 72% ", the course in "Cyber Security" and passed with 90 percent from "Cisco Network Academy."

In addition to regular academics, to attain a grip on the latest trends in technology, I have participated in many workshops, seminars, and other technical events held on campus and off-campus; I actively took part in "AFOSEC"-The annual fest of our college, I was appointed as our branch coordinator. I was part of a three-member team that worked on IOT based.

Automation vehicle accident detection system using GSM module that detects a collision and sends a distress call via GSM. Our project was presented in a technical project exhibition held at VRSEC on the engineer's day and secured second place.

Mostly I learn about things by tinkering with them. I did an internship at "THE SPARK FOUNDATION" through Intern Shala, a recognized product-based company, for two months during the summer vacation. They assigned me a project on developing a website for their new branch. As I have prior knowledge of HTML and PHP, I completed the project within time and appreciated our project lead.

Learning and Excellence, Good mental, and physical health, and Helping others define and drive me. I am also an active participant of the "NATIONAL SERVICE SCHEMA (NSS)" unit of our college. NSS is an Indian government-sponsored public service program. I volunteered in activities like -Afforestation, creating awareness on social problems like education and cleanliness, conducting rallies, Inviting doctors for health camps, etc. I am an active member of the "NATIONAL CADET CORPS(NCC)" from my 9th grade. NCC is a voluntary organization in INDIA which recruits cadets from high schools, colleges, and universities all over India. The Cadets are given basic military training in small arms and parades. Training in NCC has helped me become more confident, disciplined, and helpful to others.

I look forward to being part of your university's graduate pool, where students from different parts of the world create healthy competition in academics. I feel the learning experience becomes vibrant and diverse. I was impressed when I came across your School's focus on promoting and supporting women in engineering, science, technology, math, and related fields. I am very eager to avail myself of the chance of collaborating with your university and work with its team of researchers. I was very much motivated by some of the current research projects. I am keen on learning and working under your renowned faculty. I am sure that I will work to the best of my ability to continuously contribute to the School and help myself improve as a student and an individual.

Upon graduating from the program, I am confident that I will build skills in the development and design of computer systems, the design, and implementation of new software applications, hold administrative positions that require planning and evaluation of computer-based systems, be prepared for further study and research at the doctorate level.

With this, I would like to conclude that I shall strive for perfection in my academic and personal endeavors, abide by the rules of the university and the country and focus on finding ways to utilize the integrative knowledge that I will have gained to contribute to the field of computer science and to give back to the society.

Thank you for taking the time to read my statement of intent. I hope the admissions committee considers my application favorably.

(Bondalapati Bindu Priya)