

PERSONAL STATEMENT

Hailing from the culturally rich and diverse landscapes of Andhra Pradesh, my journey towards pursuing a Master's in Computer Science at the Illinois Institute of Technology, Chicago has been profoundly shaped by a confluence of life experiences that extend far beyond the confines of academia. As a proud member of the Kapu Hindu community, specifically the Naidu subgroup, my cultural background has been a cornerstone, fostering a strong sense of identity and values that deeply influence my aspirations and perspectives.

My upbringing in Pithapuram, Kakinada district, offered a blend of traditional values and exposure to different cities during my educational pursuits. From Visakhapatnam for my +1 and +2 studies to Hyderabad for JEE Mains and Advanced coaching, and presently residing in Kolkata for my undergraduate studies, I have seamlessly adapted to diverse environments. This journey has not only cultivated adaptability but has also enabled me to effortlessly connect with individuals from various backgrounds and gain varied exposure.

And backdrop of my family and cultural milieu plays a significant role in shaping my determination and work ethic. My father's involvement in the rice business, serving as a dealer in our Mandal and navigating the intricate agricultural supply chain, has been a formidable source of inspiration. Witnessing him navigate substantial financial setbacks with resilience and determination has instilled in me the values of perseverance and hard work. His foray into politics and service as the chairman for Jai Ganesh Devasthanam underscores his commitment to community welfare, setting an example that transcends mere business success.

My maternal uncle has been a significant influence in my life, starting his career as a junior faculty and advancing further, he has ascended to the role of **co-founder and director** at Sri Viswa Education Institutions. through continuous learning and hard work. His guidance and support were invaluable during pivotal moments in my education. He emphasized the importance of education, encouraging me to pursue a master's degree to enhance my knowledge and research endeavours.

Throughout my academic journey, I pursued a Bachelor of Technology in Computer Science from the University of Engineering and Management, IEM-UEM Kolkata, one of the reputed universities in West Bengal. The program delved into a diverse array of subjects, unveiling new dimensions of the technological landscape. My academic exploration was bolstered by a robust performance, culminating in a commendable 9.49 CGPA, reflecting my commitment to academic excellence in the field.

In my academic endeavors, I have actively engaged in projects that demonstrate my proficiency in applying theoretical knowledge to real-world challenges. Notably, I spearheaded the development of an End-to-end SQL Database Food Ordering Application, integrating React and PHP to optimize data handling and ensure a seamless user experience and built React clones of numerous MNCs. My leadership extended to the Green Sight Project, where I excelled in the development and integration of Image Data Analysis into our application, at the Smart India Hackathon. Additionally, I showcased my expertise in real-time fraud detection by working on a Full Stack Machine Learning Infrastructure, utilizing cutting-edge techniques and integrating diverse tools.

In terms of my research pursuits, I delved into the intricate realm of efficient Full Stack Machine Learning Infrastructure for Real-Time Fraud Detection in Financial Transactions, culminating in a comprehensive paper and successfully making it to the Journal of Information and Computational Sciences. The other was Central Bank Digital Currency (CBDC) and Application Development. This scholarly endeavour afforded me profound insights into the workings and architecture of digital currency, with a specific focus on the nuanced landscape of CBDC Application development.

Successfully achieving recognition, my work has been published in the esteemed International Journal for Research in Applied Science & Engineering Technology (IJRASET).

Adding fuel to this fire my **professional** Internship journey has been marked by diverse roles, reflecting my passion for creating impactful technological solutions. contributed to the development of Legalseva. In this capacity, I engineered robust web and mobile applications, optimizing online lawyer consultations and services through developing responsive applications. I continued to drive excellence by ensuring end-to-end product deliverables. Subsequently, as a Web Developer workshop and short Intern in ICCW, I created a comprehensive website, showcasing the digital team's works and optimizing it for performance across various devices and network speeds.

Selecting the **Illinois Institute of Technology, Chicago** for a Master's in Computer Science and Engineering program is a conscious choice driven by the institution's stellar reputation as a pioneer in technological research and education. Illinois Institute of Technology, Chicago's esteemed faculty, has groundbreaking research facilities. The opportunity to join the university's Association for cultural activities, adds an extra layer of prestige and community engagement, enriching my overall academic journey. I am particularly thrilled at the prospect of being mentored by Professor **Virgil Bistriceanu** in Computer Science. My enthusiasm stems from the desire to understand and actively contribute to cutting-edge research within the domains of Information Security, Agile Software Development, Software Testing, and Computer Architecture, Aligning with the research interests of **Virgil Bistriceanu**, In these domains, I have previously contributed to the publication of two works.

This pursuit of a master's in **computer science** aligns with my insatiable curiosity and passion for delving deeper into the dynamic and ever-evolving field of technology. This academic endeavour is not just a step forward in my career; it is a commitment to continuous learning and a desire to contribute to cutting-edge innovations in the realm of computer science. Over the next couple of years, my focus and aspirations centre around immersing myself in new cultures and tech stacks while pursuing a Master's in computer science.

In essence, my personal and cultural background, coupled with the values instilled by my family, has shaped me into a resilient, adaptable, and socially conscious individual. I am eager to bring my unique perspective and experiences to the vibrant academic community at the Illinois Institute of Technology, Chicago, as I embark on this transformative phase of my educational and professional journey.