PERSONAL STATEMENT

SHANMUKHA CHKARA GOVINDU KUMAR MAGAPU

Master of Science in Software Engineering

Ever since my introduction to the dynamic realm of evolving technology and computer science, I have been captivated by the relentless pace of innovation and its transformative impact on the world. My enduring interest in this field has been the driving force behind my academic journey, culminating in a Bachelor of Technology in Computer Science from the University of Engineering and Management, IEM-UEM Newtown Kolkata, one of the reputed universities in West Bengal. Now, on the precipice of my academic journey, I am eager to pursue a Master of Software Engineering to quench my thirst for advanced knowledge and expertise.

During my bachelor's, I excelled in Software Engineering, Database Management, Operating Systems, and Data Structures, earning a 9.49 CGPA. Real-world projects included designing a SQL Database Food Ordering App and excelling in Image Data Analysis for the Green Sight Project. In my **research pursuits**, I delved into the intricate realm of efficient Full Stack Machine Learning Infrastructure for Real-Time Fraud Detection in Financial Transactions and successfully made it to the Journal of Information and Computational Sciences(JOICS). The other publication was Central Bank Digital Currency (CBDC) and Application Development. Successfully achieving recognition, my work has been published in the esteemed **International** Journal for Research in Applied Science & Engineering Technology (IJRASET).

Certifications in Java Programming and DBMS Elite from IIT Kharagpur showcase my commitment to continuous learning. Recommendation letters from MyCaptain in full stack Development and recognition from IIM Bangalore attest to practical expertise. Coursera certifications, including IEM English Advanced, and LinkedIn endorsements affirm my professionalism. URECKON tech fest involvement honed leadership.IIM Bangalore's Full Stack Development Workshop provided real-world insights. Visiting a children's orphan home deepened my commitment to social causes and the Green Sight Project demonstrated my dedication to environmental impact.

In my **professional** Intern journey, I have undertaken diverse roles, showcasing a passion for impactful technological solutions. As a software developer associate, I led the design and implementation of enterprise applications, contributing significantly to the development of Legalseva in Bangalore. ensured end-to-end product deliverables, and spearheaded efforts to revolutionize online lawyer consultations. Later, as a web Developer workshop cum short Intern in ICCW, I created a comprehensive website, optimizing it for performance across various devices and network speeds.

The pursuit of a master's in **Software Engineering** 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 is to immerse myself in the latest advancements and methodologies, contributing meaningfully to the development of technology and generating insights that can shape the future of this dynamic discipline.

Pursuing a master's in software engineering in the United States aligns with my passion for technology. I chose the **University of Minnesota Twin Cities** for its renowned technological research and education. The advanced research facilities, and a curriculum tailored to my interests in software design, data modelling, software process & quality assurance, and user interface design & evaluation, create an ideal academic environment. Affiliating the College of Science and Engineering Ambassadors [#2710] group adds a layer of prestige. I am eager to be mentored by Sanjai Rayadurgam, Director of the Software Engineering Center, and contributing to cutting-edge research in the domain of test generation and verification of plan executions for autonomy platforms which align with my interests and publications.

My long-term vision involves leveraging acquired knowledge for entrepreneurial ventures in technology while contributing to innovation as a software development engineer (SDE) at industry leaders like Google and Amazon. Integrating an entrepreneurial spirit with hands-on industry experience, I aim to pioneer novel solutions, pushing technological boundaries, and make a lasting impact in the dynamic field of software engineering.