

# Sai Santoshi Praneetha Mukkamala

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## EDUCATION

<b>The University of Texas at Arlington</b>   Arlington, TX	January 2023 – December 2024
Master of Science in Computer Science	GPA: 3.8/4.0
<b>Course Work:</b> Design and Analysis of Algorithms, Data Analysis and Modelling Techniques, Database Systems, Software Engineering II, Data Mining, Web Data Management, Machine Learning(ML), Cloud Computing and Big Data, Distributed Systems, Artificial Intelligence (AI), Computer Vision (CV), Project Management.	
<b>Vignan Institute of Technology and Science</b>   Hyderabad, India	August 2016 – September 2020
Bachelor of Technology in Computer Science and Engineering	GPA: 7.8/10.0

## SKILLS

- **Programming Languages:** C, Java, Python(PyTorch, TensorFlow), Scala, JavaScript(React.js, NodeJS).
- **Analytics** – Big Data(Spark, Hadoop), Tableau, Power BI, R.
- **Predictive Modelling** – Linear Regression, Logistic Regression, Neural Network, Reinforcement Learning.
- **Functional Module:** SAP MM, SAP PP, SAP QM.
- **Databases Technologies:** MySQL, S/4 HANA, MS SQL Server, PHP, NoSQL.
- **Web Designing:** HTML, CSS, JSX, REST API.
- **Cloud & IDE:** AWS, Eclipse, Visual Studio Code, Jupyter Notebook, IntelliJ IDEA, DevOps, CI/CD.
- **Development Tools & Platforms:** GitHub, Docker, Kubernetes, Kafka, Chaos Engineering, SDLC.

## EXPERIENCE

<b>The University of Texas at Arlington</b>   Arlington, Tx	April 2023 – Present
<b>Student Assistant</b>	
<ul style="list-style-type: none"><li>• Pioneered inventory management strategies, enhancing warehouse productivity and accuracy; leveraged Web TMA software to streamline stock rotation and location accessibility, improving operational efficiency by 40% and reducing retrieval time by 25%.</li></ul>	
<b>Infosys</b>   Hyderabad, India	March 2022 – November 2022
<b>Senior Systems Engineer</b>	
<ul style="list-style-type: none"><li>• Facilitated Fit-Gap meetings for 100+ clients, Aligned current processes with SAP functionalities to enhance efficiency and productivity to identify areas for improvement; streamlined workflows resulting in a 20% increase in operational efficiency.</li><li>• Orchestrated client consultations to understand needs and assess project development; overhauled system performance to provide 73% greater accuracy, ensuring the solution was highly functional and tailored to client expectations.</li></ul>	
<b>Infosys</b>   Hyderabad, India	March 2021 – February 2022
<b>System Engineer</b>	
<ul style="list-style-type: none"><li>• Orchestrated the creation of detailed test cases, project design documents, and blueprints that addressed 95% of customer requirements, slashing misunderstandings, and potential rework by 80%, resulting in a highly efficient development workflow.</li><li>• Conducted a thorough analysis of customer requirements to craft personalized solutions, laying the groundwork for the tool's creation. The approach drove a 35% increase in customer loyalty and a 15% growth in average order value.</li></ul>	

## ACADEMIC PROJECT

<b>File System: Distributed File System using RPC</b>   Python   XML-RPC   Threading	January 2024 – May 2024
<ul style="list-style-type: none"><li>• Built a multi-threaded client-server file system using XML-RPC for real-time file operations and synchronization. Implemented a 2-Phase Commit protocol to manage distributed transactions and handle system failures.</li></ul>	
<b>Sentipix: Enhanced Movie Review Analysis using Deep Learning</b>   LSTM   MLP   CNN.	September 2023 – December 2023
<ul style="list-style-type: none"><li>• Engineered and deployed sophisticated hybrid models integrating CNN, LSTM, and MLP architectures; optimized movie review analysis via NLP, enhancing sentiment classification accuracy by 20% and reducing processing time by 35%.</li><li>• Enhanced user engagement by delivering personalized movie recommendations through sentiment analysis and optimal word count thresholds, boosting user retention by 25% and increasing session length by 30%.</li></ul>	
<b>Syllabix</b>   HTML   CSS   PHP   JavaScript   React   Laravel	August 2023 – December 2023
<ul style="list-style-type: none"><li>• Championed the rollout of a sophisticated web application with advanced CRUD functionalities and tailored access controls; the initiative has streamlined operations, now enabling 15+ departments to achieve faster response times.</li><li>• This effort drove a significant 50% enhancement in user interaction and a 15% reduction in error instances.</li><li>• Launched an innovative chat feature powered by Node.js, establishing a new benchmark for real-time communication in the app, now utilized by 12 customer service representatives to streamline support interactions.</li></ul>	
<b>Forecasted Season based mode of Transportation</b>   Python.	February 2023 – May 2023
<ul style="list-style-type: none"><li>• Forecasted and analyzed seasonal travel trends. In accordance with that, the producers will produce the automobiles in accordance with consumer desire. Taking data analysis by machine learning algorithms into account resulted in 85% of accuracy.</li></ul>	

## CERTIFICATION

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| • Microsoft certified "Generative AI Productivity Skills with Microsoft and LinkedIn". | 2024 |
| • Infosys certified SAP MM Professional Consultant.                                    | 2021 |