

MOHAN PODILI SRIHARI NAIDU

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EDUCATION

Arizona State University, Tempe, AZ

May 2025

Master in Computer Science (GPA: 3.87)

- **Coursework:** Data Processing at Scale, Applied Cryptography, Semantic Web Mining

JSS Academy of Technical Education, Bangalore

May 2023

Bachelor of Engineering, Computer Science and Engineering (GPA: 8.67/10.00)

- **Coursework:** Data Structures and Applications, Object Oriented Concepts, AI & ML

TECHNICAL SKILLS

- **Programming:** Python, C, Java, Kotlin, HTML, CSS, React
- **Data Analysis and Statistics:** R, MATLAB, SQL, TensorFlow, Lex, Yacc
- **Design and Modeling Tools:** Visual Studio, Keil Vision4, Atom, Microsoft Office, Oracle DB, Spyder, Anaconda, Tableau

PROFESSIONAL EXPERIENCE

School Fuel | AWS Developer

Aug 2025 - Present

- Developed and maintained React-based student and teacher dashboards for the Kairos platform, implemented dialog-based interfaces and improved task/checklist flows, enhancing resource management and usability through effective video, checklist, and blog integration
- Collaborated with cross-functional front-end and back-end teams to align JSON payload contracts and debug API response issues, successfully integrating AWS Lambda-backed services to ensure reliable data flow between student, teacher, and backend workflows
- Contributed to UI and backend readiness by learning and supporting Lambda and Hopscotch-based flows, effectively refactored folder structures and cleaned up legacy components, leading to the deployment of production-ready code through GitHub PRs, enhancing the student project experience

Tequed Labs | AI & ML Intern

Sep 2022 - Dec 2022

- Led the classification of mall customer data and predicted monthly spending patterns using Random Forest, SVM, and Linear Regression models. Improved accuracy to 95% and refined customer groups using the Elbow Method in k-means clustering
- Used Python, Scikit-learn, and Pandas to clean data, engineer features, and train models that increased cluster analysis precision and helped the team identify new customer segments.

ACADEMIC PROJECTS

Evaluation and Feedback System

Mar 2022

- Designed and implemented web interfaces using HTML, CSS, and JavaScript to create user-friendly and responsive application to streamline and expedite the feedback process in educational institutions.
- Utilized PHP for server-side scripting to manage dynamic content generation and database interaction, ensuring seamless connectivity with MySQL for secure and efficient data handling.
- Conducted thorough front-end testing in local environments using XAMPP to identify and resolve issues, ensuring smooth functionality, seamless integration with back-end systems, and optimal performance.

Driver Drowsiness detection using night vision camera

May 2023

- Led a team of 4 in developing an IoT project utilizing Raspberry Pi, Buzzer, and Night Vision Camera to detect driver drowsiness.
- Successfully implemented Haar cascade classifier and Eye Aspect Ratio with a 0.25 threshold, analyzing 20 frames per second to significantly reduce casualty rates by 20%.
- Orchestrated real-time monitoring and alert systems, demonstrating exceptional proficiency in computer vision and machine learning to enhance road safety through innovative IoT solutions.

Using Blockchain & Machine Learning to Secure Patient Services in Hospital Operations

Oct 2023

- Led integration of advanced ML algorithms (Random Forests, Gradient Boosting, SVMs, Neural Networks) for disease risk prediction and patient outcome forecasting, enhancing clinical decision support.
- Reviewed 20+ research papers, fostering collaboration and establishing efficient project management processes, contributing significantly to the project's success.
- Developed predictive models to improve clinical decision support and led the creation of a blockchain framework for secure patient data, while managing the team's progress and ensuring quality delivery.

Beyond BERT: Investigating Alternative Approaches to Fake Review Detection

May 2024

- Developed advanced machine learning models (Fake RoBERTa: 98.25% accuracy, BERT: 97.68%) for detecting computer-generated reviews, outperforming classical models.
- Utilized SMOTE for data augmentation and conducted thorough evaluations (precision: 0.9942, recall: 0.9710, F1-score: 0.9825).
- Synthesized insights from 20+ research papers to create robust tools for filtering deceptive content on e-commerce platforms, showcasing expertise in computer vision and machine learning for IoT-based road safety solutions.