KARRI SAI SRI VENKATA REDDY

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CAREER OBJECTIVE

Motivated and detail-oriented Artificial Intelligence & Machine Learning undergraduate with hands-on experience in full-stack development and AI-powered web applications. Passionate about leveraging AI and web technologies to create impactful solutions. Seeking opportunities to grow professionally and contribute meaningfully in dynamic tech environments.

EDUCATION

B.Tech – Artificial Intelligence & Machine Learning
Malla Reddy University, Hyderabad
2022 – 2026

Senior Secondary (XII), MPC Stream
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2022
Percentage: 81.80%

Secondary(X)
Don Bosco High School
2020
CGPA : 9.8

TECHNICAL SKILLS

- **Programming**: Python, Java, SQL, JavaScript, DBMS .
- **Web Development**: HTML, CSS, Node.js, MongoDB, Angular, React .
- **AI/ML**: Machine Learning, Deep Learning, Computer Vision, Neural Networks, TensorFlow, Numpy, Pandas , Ollama .
- **Tools & Platforms**: VS Code, MySQL, SQLite, Android Studio, AutoCAD, PowerBI , GIT, GitHub .

PROJECTS:

Face Recognition Attendance System
Feb 2024 - Apr 2024
Developed Click Check, an automated attendance marking system using facial recognition technology. This system leverages machine learning algorithms and computer vision techniques to accurately detect and mark attendance, eliminating the inefficiencies and errors of traditional methods like attendance cards and registers.

Mental health chatbot
Jan2025-Apr2025
Developed a mental health chatbot using React.js, MongoDB, and Ollama with a fine-tuned LLaMA 3.1 model. Provides empathetic, AI-powered support to users struggling with emotional challenges. Securely stores chat history, offering a safe and private space for mental wellness conversations.

Intruder Detection System
Feb2024 - May2025
Developed an intelligent intruder detection system using FastAPI, HTML, and SQL. Integrated a CNN-based face recognition model to identify registered individuals from a face embeddings database. Unrecognized faces trigger real-time alerts via Twilio, sending both SMS and email (with intruder image in PDF format). The system supports user registration/deletion and continues monitoring, with follow-up alerts if the intruder remains in the frame.

Traffic Sign Classification for Indian Roads
Sep 2024 - Jan 2025
Developed a Traffic Sign Classification system using Deep Learning for Indian road conditions, aimed at improving traffic sign recognition in self-driving cars. Leveraged Convolutional Neural Networks (CNNs) to accurately classify traffic signs under varying lighting, angles, and distances, ensuring vehicles respond correctly to speed limits, signals, and road conditions. This system enhances safety and decision-making, tailored specifically for Indian traffic scenarios.

ACTIVITIES

- I attended a 7-day ML bootcamp organized by GDSC in collaboration with TensorFlow User Group Hyderabad (T FUG HYD). lt covered ML basics, model building,and TensorFlow applications through hands-on labs and projects. The bootcamp boosted my ML knowledge.

- Virtual Job Simulation – Deloitte (June 2025) Completed practical tasks in coding and development, including debugging programs, optimizing code for efficiency, and reducing time complexity as part of a virtual job simulation experience.

TRAINING & CERTIFICATIONS

Amazon web services (Feb 2025- Apr 2025) :

- Getting started with AWS Cloud Essential
- Cloud Acquisition
- AWS Building and Cost Management
- Cloud Practitioner
- AWS Academy Cloud Foundations

IBM (Mar 2024) :

- Scalable Machine Learning on Big Data using Apache Spark
- Introduction to Data Analytics
- Introduction to Cyber Security and Cyber Attacks
- Fundamentals of Scalable Data Science
- AI Workflow: Business Priorities and Data Ingestion

Microsoft (Aug 2024- Sep 2024) :

- Exploring generative AI with Co-Pilot in Bing
- Getting Started Building with PowerBI

Others:

- Programming for Everybody Getting started with Python - University Of Michigan (oct 2023)
- AI for Everyone - Deep Learning .AI (Mar 2024)