UDATA SRAVANTHI

Nellore, Andhra Pradesh

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OBJECTIVE

Innovative and impact-driven AI & Web Development enthusiast with hands-on experience building real-time AI automation systems and full-stack applications. Proven track record in leading tech initiatives, winning hackathons, and developing scalable user-focused solutions.

EDUCATION

Kalasalingam Academy of Research and Education 2022 – Present
B. Tech / CSE-AIML, 8.85 CGPA

Sri Chaitanya Jr. Kalasala 2020 – 2022
MPC, 91.5%

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, SQL, Java (Beginner Level)
Artificial Intelligence & Machine Learning: Convolutional Neural Networks (CNN), Supervised Learning, Computer Vision, Real-time AI Inference and Optimization, Model Training, Testing and Deployment
Frameworks & Tools: Google Cloud Platform (GCP), Flask, OpenCV, MediaPipe, Git, VS Code, PyCharm
Domains: Machine Learning, Web Development, Data Analysis
Soft Skills: Communication, Team Collaboration, Event and Project Management
Languages: English, Telugu

EXPERIENCE

Project Intern - iProAT Solutions Feb 2025 – Aug 2025
- Developed an AI-powered driver monitoring system with fatigue detection and alert processing using real-time AI computation and performance optimization.
- Optimized real-time inference speed and automated alert mechanisms through AI model tuning and algorithm enhancement.

Content Writing Lead - Google Developer Groups On-Campus Apr 2024 – June 2025
- Created event-based content and documentation for workshops, hackathons, and key speaker sessions, effectively capturing event impact and achievements.
- Organized and contributed to multiple tech events, increased student engagement and event participation by over 25% through impactful technical content and documentation.

Artificial Intelligence Intern – Teachnook Aug 2023 – Sep 2023
- Worked on AI & ML model development and implemented a real-time AI project as part of internship deliverables.
- Applied theoretical concepts to practical use cases, strengthening core understanding of AI deployment.

PROJECTS

Agrovista: AI-Powered Crop and Disease Prediction with E-Commerce Integration (Github)
- Built and deployed a machine learning-based agricultural advisory system predicting crop yield and disease risk and added digital commerce functionality for direct agricultural product purchase.
- **Tech Stack:** Python, Flask, ML (RandomForest, CNN), Data Analysis

NrityaAI: Real-Time Bharatanatyam Hand Mudra and Facial Expression Recognition (Github)
- Created a cultural AI-based recognition system using image processing for real-time mudra detection using video input to support heritage preservation.
- **Tech Stack:** Python, MediaPipe, OpenCV, Computer Vision

DriveLock Pro: AI-Based Driver Safety and Alert System (Github)
- Built a real-time vehicle monitoring system including lane and pothole detection and QR-based parking control, enhancing navigation safety and operational efficiency.
- **Tech Stack:** Python, OpenCV, ML, Real-Time Processing Algorithms

SmartGreen: IoT Enabled Smart Agriculture Monitoring System (Github)
- Created automated IoT-based agricultural monitoring solution including real-time soil moisture tracking and auto-irrigation triggering to optimize resource usage.
- **Tech Stack:** IoT Sensors, Python, Flask, Automation Framework

FiTrace: Web-Based Fitness Tracking Application (Github)
- Developed a responsive fitness tracking web platform with date-wise monitoring enabling progress tracking and habit formation.
- **Tech Stack:** HTML, CSS, JavaScript, Python

AI Health Predictor: Symptom-based Medical Condition Analysis (Github)
- Created a predictive machine learning model for identifying possible health conditions with personalized recommendations using mapped symptom data.
- **Tech Stack:** Python, Flask, ML, Decision Systems

MartMate: Smart Inventory and Expiry Management System (Github)
- Created a smart web platform for real-time expiry tracking and automated freshness alerts, reducing product waste and improving retail inventory handling.
- **Tech Stack:** Python, Flask, HTML, CSS, JavaScript

CERTIFICATES

- Microsoft Certified: Azure AI Fundamentals (AI-900) – Microsoft
- Introduction to Generative AI – Google Cloud
- Web Development – Delta Computers
- Python & Problem Solving – HackerRank, Delta Computers
- Database Management Systems – CodeChef
- Artificial Intelligence and Machine Learning – Teachnook

ACHIEVEMENTS

- **Winner** – IBM Poster Presentation (AI for Pre-Term Child Birth Prediction)
- Secured **Runner-up** in the IEEE Paper Presentation Contest on Blockchain and Cryptography.
- Secured **2nd Runner-up** in the CRYPTON 2025 Hackathon, which led to an internship opportunity at iProAT Solutions.
- Earned 20+ Qwiklabs badges in cloud technologies (Profile)
- Published research article on Bharatanatyam hand gesture detection

PUBLICATIONS

- Automated Real-Time Hand Gesture Detection for Bharatanatyam Dance (IEEE Xplore)
- Integrating Deep Learning and Predictive Modeling for Smart Agriculture: Disease Detection and Yield Estimation