SANA SRINITH

Hyderabad, India | +91 9666999322 | srinith074@gmail.com

LinkedIn | GitHub | srinith.in

EDUCATION

Sreenidhi University, Hyderabad | 2024–2028

B.Tech in Computer Science and Engineering (AI & ML) | CGPA: 7.4/10

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, TypeScript, SQL

Web development: HTML, CSS, React.js, Node.js

Databases & platforms: MongoDB, Supabase, Firebase

AI/ML & tools: Machine learning fundamentals, Pandas, NumPy, Gemini API, Git, GitHub

PROJECTS

AutoVision AI | GitHub

- Academic modernization of an open-source traffic analysis system using pretrained YOLOv8, OpenCV and persistent tracking IDs across five vehicle classes.
- Integrates FastAPI and React/TypeScript with annotated video and CSV exports; documented CPU benchmark: 905 frames at 13.2 FPS.

Voice Emotion Recognition | GitHub

- Extracts MFCC audio features from RAVDESS using Librosa and classifies eight emotions with a 100-tree Random Forest (scikit-learn).
- Uses an 80:20 train-test split, classification reports and confusion matrices; repository reports 72% accuracy.

InsightFlow | GitHub

- Full-stack analytics application organized into separate client, server and shared npm workspaces.
- Uses React ecosystem libraries including Recharts, Axios, Zustand, TanStack Query and Zod for visualization, API access and state management.

ACHIEVEMENTS & ACTIVITIES

- Code Sprint (Hack With India): Placed among the top 1,000 of 3,000 participating teams.
- HackWithHyderabad 3.0: Participated in an 8-hour hackathon at Microsoft Office, Hyderabad (Oct 2026).
- Adobe University Hackathon and Forge Inspira Codeathon: Participant.

CERTIFICATIONS

CodeChef: Programming through Python, Data Structures through C++, Design and Analysis of Algorithms (2025).

Introduction to Python OpenCV (2026).