LOHIT VENKATA SAI

linkedin.com/in/lohit-venkata-sai — LinkedIn
github.com/lohit-venkata-sai — GitHub

Email: lohitvenkatasai2004@gmail.com
Mobile: +91-8328623711

Objective

- Detail-oriented Computer Science student with strong skills in full-stack web development, aiming to apply problem-solving abilities to build scalable and impactful software solutions.

Education

Pragati Engineering College — **Surampalem, India**
B.Tech in CSE (AI & ML) — CGPA: 7.9/10 — August 2023 – June 2026

Aditya Engineering College — **Kakinada, India**
Diploma in Computer Engineering (CME) — 86% — June 2020 – July 2023

Tirumala Proactive E.M. School — **Katheru, India**
Secondary School Certificate (SSC) — GPA: 10/10 — June 2019 – May 2020

Internship

Software Developer Intern — *InterviewBuddy*
Dec 2025 – Present

- Delivered full-stack features using Angular, Next.js, and NestJS, integrating Twilio services and Prisma ORM.
- Refactored the codebase as part of the MCSF framework conversion, establishing a scalable and standardized architecture that improved code reusability and reduced maintenance effort by 25%.
- Streamlined development workflows by containerizing backend services with Docker for consistent testing and deployment.

Web Full Stack Developer Intern — *EduSkills*
July 2023 – September 2023

- Shipped production-ready full-stack web applications using React, Node.js, and MongoDB.
- Secured and optimized **10+ REST APIs** with JWT-based authentication, achieving up to **40% faster response times**.
- Designed responsive and reusable UI components in React, enhancing user experience and improving page load performance across devices.

Skills Summary

Programming Languages:	Python, JavaScript, C, Java
Development:	HTML, CSS, React, Angular, Next.js, Node.js, Express.js, NestJS
Databases:	MongoDB, MySQL, PostgreSQL
Tools:	Git, GitHub, Docker, Prisma, Twilio, Firebase, Cloudinary, Figma
Soft Skills:	Problem-solving, Communication, Collaboration, Teamwork

Projects

MeetUp – Real-Time Video Conferencing Platform — *Link*
Technologies Used: React, Node.js, WebSocket, MediaSoup, Zustand

- Architected a real-time communication system supporting multi-user video/audio streaming with dynamic room creation.
- Orchestrated custom MediaSoup workflows for transport handling, RTP capability exchange, and producer–consumer coordination.
- Created an interactive, responsive interface featuring participant controls, live status indicators, and in-app chat.
- Powered low-latency signaling by leveraging Zustand for state management and WebSockets for real-time updates.

Real-Time Object Detection — *Link*
Technologies Used: Python, OpenCV, YOLO

- Engineered a high-performance real-time object detection pipeline using YOLOv3-tiny with live webcam input.
- Achieved fast and accurate multi-class recognition by leveraging pre-trained YOLO models in real time.
- Rendered dynamic bounding boxes, labels, and confidence scores while maintaining high FPS.

Certifications & Achievements

- **AI Associate** — Salesforce
- **Java Programming Fundamentals** — GalileoX, Universidad Galileo
- **Introduction to Data Science with Python** — HarvardX
- **ServiceNow Certified Application Developer (CAD)** and **Certified System Administrator (CSA)**