Vinnakota Sai Chandra

CODE CHEF | EMAIL | PHONE NO | LEET CODE | LINKEDIN | GITHUB

Career Objective

Computer Science undergraduate with strong foundations in **programming, data structures, and web development,** experienced in building responsive applications using **MERN stack (MongoDB, Express.js, React, Node.js).** Seeking an opportunity through the **Infosys InStep Internship** to apply problem-solving skills, contribute to real-world software projects, and gain industry-level development experience.

Experience

Google AI-ML Virtual Internship **Certificate**

- Completed a structured virtual internship focused on **problem-solving using Python** covering the end-to-end workflow of software-driven model development. Applied structured programming concepts to solve guided real-world use cases.
- Worked on hands-on labs involving **data preprocessing, logic implementation, model training, and evaluation** strengthening analytical and debugging skills.
- Developed an understanding of **responsible technology usage** documentation and iterative improvement through feedback-based assignments. Followed industry-standard development practices throughout implementation.

Education

Chalapathi institute of engineering & technology, B-tech in CSE-AI aug 2024 – present

- **Coursework:** Python programming, CS fundamentals, Full-Stack Web Development using MERN

Kendriya Vidyalaya Guntur (CBSE) 2022 – 2024

- **AISSCE - XII MPC** GPA: 7.05

Projects

Project STARK | Python-based Real-Time Weapon Detection System GitHub

- Built a **real-time weapon detection system** using a **custom YOLO model** and **OpenCV** for live CCTV stream analysis.
- Developed a **Python-based backend** for frame processing, AI inference, alert generation, and evidence capture, with metadata stored in **SQLite** for offline use.
- Designed an **offline-first sync mechanism** to securely queue and synchronize detection logs and visual evidence upon network recovery, ensuring **zero data loss**.

NO DROP | Water Delivery Web Application Ongoing

- Designed and developed a full-stack web application for water can subscription and on-demand delivery using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**. Implemented **user authentication**, subscription management.
- Built **RESTful APIs** using Express.js and Node.js to handle orders, users, and delivery workflows.
- Integrated **MongoDB** for storing user data, orders, and subscription records with efficient data modeling.
- Developed a responsive front-end using **React.js and Tailwind CSS** to ensure cross-device compatibility and usability.
- Followed **industry-standard development practices** including modular code structure, version control using Git, and debugging workflows.

Technical Skills

- **Programming Languages:** Python, C, Java
- **Front-End Technologies:** JavaScript, React.js, Tailwind CSS, HTML, CSS
- **Backend & Databases:**Express.js, Node.js, SQL, MongoDB, REST APIs
- **Computer Vision & AI:** OpenCV, YOLO, Roboflow
- **Developer Tools:** Git, GitHub, VS Code

Certifications

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate. LINK
Artificial Intelligence Fundamentals Issued by IBM SkillsBuild LINK
Deloitte Australia Data Analytics Job Simulation on Forage - July 2025 LINK
TCS iON Career Edge - Young Professional

Achievements & Extra Curricular Activities

- Attended Rajya Puraskar Testing Camp
A state level Acheivement in **Bharath scouts & guides**(BSG) one of the highest honors at the state level.
- Secured 3rd place in "Just a Minute (JAM)" competition at Andhra Loyola College Technical Fest (2025).