

BAIRAJU NAVEEN CHANDRA

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Professional Summary

Motivated Computer Science Engineer with hands-on experience in AI/ML and Web Development. A proven team leader with a strong record of delivering scalable, innovative, and data-driven solutions through collaborative coding challenges and real-world projects.

Education

Kalasalingam Academy of Research and Education , Tamil Nadu B.Tech. in Computer Science and Engineering CGPA: 8.4 / 10	2022–2026
Sri Chaitanya Junior College , Tirupati Intermediate: 89%	2020–2022
Bhashyam High School , Tirupati SSC: 98.33%	2019–2020

Projects

Green Oasis — Personalized Indoor Plant Recommendation Application (GitHub)

Tech Stack: React.js, Tailwind CSS, Node.js, MongoDB, REST APIs

- Designed a recommendation system that suggests plants based on multiple environmental factors, achieving 92% prediction accuracy.
- Developed a responsive user interface using React.js and Tailwind CSS, reducing user input errors by 35%.
- Optimized MongoDB queries and REST APIs, reducing the average response time by 40% across 1,000+ records.
- Authored detailed setup documentation and deployment scripts, reducing onboarding time by 50%.

AI-Based Student Presence Detection in University Surveillance Videos via Face Recognition (GitHub)

Tech Stack: Python, Flask, OpenCV, Face Recognition, SQLite, HTML, CSS

- Developed a Flask-based system to detect and record student presence automatically using CCTV surveillance footage.
- Integrated OpenCV and the Face Recognition library for real-time face detection, tracking, and identity verification.
- Built a faculty dashboard for uploading videos, managing presence data, and visualizing analytics.
- Improved the video processing module to support live playback with automated face detection.

Skills & Certifications

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| • Languages: Java, Python | • Java — Infosys Springboard |
| • Databases: MySQL, SQL | • DBMS — CodeChef |
| • Web Technologies: HTML, CSS | • DAA — CodeChef |
| • Frameworks and Tools: Git, GitHub, Vs Code | • Soft Skills Development — NPTEL |

Achievements

- Ranked among the Top 10 participants out of 300+ in a national-level hackathon.
- Achieved 90% in the Infosys Springboard Certification for Java Programming.
- Completed certified courses in DBMS and DAA, strengthening skills in database design, SQL, and algorithm analysis.