

KOTIKALAPUDI NAVYAN CHAITANYA RAJ

Artificial Intelligence & Machine Learning Student

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[GitHub](#) | [LinkedIn](#) | [HackerRank](#) | [LeetCode](#)

Professional Summary

Self-motivated Full-Stack Developer with a passion for creating responsive, user-friendly, and scalable web applications. Skilled in HTML, CSS, JavaScript, React.js, and backend technologies such as Node.js and Flask. Solved 250+ problems on LeetCode and HackerRank, demonstrating strong command over core Data Structures and Algorithms. Proficient in writing and analyzing SQL queries, with strong debugging and problem-solving abilities. Possesses a solid understanding of object-oriented programming and is a quick learner, eager to explore new technologies and adapt to diverse technical environments.

Education

Bachelor of Technology – Artificial Intelligence & Machine Learning (pursuing)

- Aditya Engineering College, Surampalem (2022 – 2026)
- CGPA: 7.59

Projects

Drowsy Driver Detection

- Developing a system that detects drowsiness in drivers using Natural Language Processing, computer vision, and machine learning techniques, including Anomaly Detection to identify abnormal patterns in driver behavior.
- Uses image processing techniques to detect signs of drowsiness, such as eye closure, yawning, and head movements

Facial Attendance System | [Link](#)

- Developed a Facial Attendance System using Flask, OpenCV, and the Face Recognition API, enabling real-time face detection and automated attendance marking through a live camera feed. The system captures facial images, generates unique face encodings, and accurately matches them against a stored faculty/student database to mark attendance with high precision..

AI-Powered Chatbot using Gemini API | [Link](#)

- Built an AI-driven chatbot using the Gemini API for human-like interactions and virtual assistance. Integrated advanced NLP for context-aware, intelligent responses.
- Optimized conversation flow and user experience with a focus on Accessibility.

Web Development | [Link](#)

- Portfolio Website – Showcasing skills and projects, with an emphasis on Aesthetic design principles.
- Landing Page – Responsive UI with HTML, CSS, JS, designed using UI/UX Design strategies.
- Calculator – Interactive, real-time operations using JavaScript showcasing Coding and Functional Programming concepts.

Technical Skills

- Programming Languages: Python, Java, C
- Frontend: HTML, CSS, JavaScript, React.js, Angular
- Backend: Node.js, Flask, REST API, Springboot
- Databases: MySQL
- Tools: Docker, Kubernetes, Figma, Tableau
- Other: UI/UX Design, Wireframing, Version Control

Soft Skills

- Effective Communication
- Responsibility & Accountability
- Problem Solving
- Collaborative Teamwork
- Strong Writing Skills

Certificates

- Certified in Java (Basic) – HackerRank
- Certified in Python (Basic) – HackerRank
- IBM Introduction to Software Engineering – Coursera
- IBM HTML,CSS, JavaScript – Coursera
- Meta Introduction to Front-End Development – Coursera
- Git and GitHub – Google
- Data Analytics Job Simulation – Deloitte

Co-Curricular Activities

- Presented technical papers and delivered seminars in College
- Attended 5-day workshop on Internet of Things (CSI) and 3-day workshop on DevOps
- Completed Skill Development Program on Django Web Development

Language

- **English** – Proficient
- **Telugu** – Native
- **Hindi** – Basic Proficiency
- **Japanese** – Basic Proficiency