VINAY GORE

Bhopal, India

Vinay Gore • GitHub LeetCode

EDUCATION

BTech - Computer Science (specializing in Cloud Computing and Automation) *2023 -2027*
VIT Bhopal University

CGPA 8.6/10

SKILLS

- **Programming Languages:** Java, Python
- **Development:** JavaScript, HTML, CSS, and React.jsx
- **Technical:** VS Code, AWS, Data Structures and Algorithm

PROJECTS

Patient Management System: HTML, CSS, Javascript, React.js, Tailwind, Node.js, npm, AWS.

- Engineered a scalable patient management system, optimizing user interface and operational efficiency.
- Streamlined communication between healthcare professionals thus, fostering teamwork and better outcomes.
- Developed a responsive system for real-time patient data and resource tracking, boosting user engagement by 50% and improving critical care decisions.
- My contribution mainly was in the system design, where, while getting my share of designing the over-all web-based website flow and structure for easy navigation and functionality. I also gave a few suggestions on fundamental UI/UX design to make the interface clear and user-friendly.

Potato Plant Disease Detection Model Using CNN: Python, TensorFlow/Keras, NumPy, Pandas, AWS. GitHub

- Developed a Convolutional Neural Network (CNN) model to accurately classify potato leaf diseases into Healthy, Early Blight, and Late Blight categories. Streamlined communication between healthcare professionals thus, fostering teamwork and better outcomes.
- Collected and pre-processed image data (augmentation, resizing, normalization) to enhance model robustness and generalization.
- Achieved high classification accuracy through iterative training and optimization, using techniques like hyperparameter tuning and error analysis.
- Deployed the model via a Streamlit-based web app on AWS EC2, enabling real-time predictions through a simple image upload interface.
- Contributed to system architecture design, model workflow structuring, and backend deployment strategy.

FaceMatrix: Python, Flask, MongoDB, Node.js and React.jsx. GitHub

- Designed and implemented a modular, real-time facial recognition-based attendance system using Python, OpenCV, Dlib, and MongoDB, enabling secure, touchless employee and visitor access with latency under 630ms.
- Developed a dual-admin authentication protocol to prevent unauthorized modifications in attendance records, ensuring robust data integrity and compliance with organizational security standards.
- Built a full-stack web interface using React, Node.js, Flask, and MongoDB, allowing real-time dashboard access for admins and employees to track attendance and manage visitor records.
- Optimized system performance with multi-threading and face encoding compression, reducing database query time and enhancing recognition accuracy and speed in high-traffic environments.

EXPERIENCE

Software Development Club January 2025 - Present
Public Relations and Outreach (Core Member): Helped in overall publicity, promotions, image building and visibility enhancement of the club and the institution. Bhopal, India

ACHIEVEMENTS/PARTICIPATION

- **FLUXUS 2025, IIT Indore [Face Recognition System]:** Secured 3rd place in Face Recognition-Based Attendance System Hackathon with cash prize of Rs 1500/- at FLUXUS 2025 hosted by IITI.
- **Android Fusion [Exploring IoT and ML]:** Won the 1st prize in the event with cash prize of Rs 2000/- hosted by Android Club VIT Bhopal.
- **Pragati Meta AI Hackathon 2025:** Our Team **kernelOps** was selected among the Top 83 teams moving forward to the Prototype Development Phase of the Pragati AI for Impact Hackathon 2025 organized by Hack2Skill.

CERTIFICATIONS

- **Hacker Rank:** Certifications in Python and Java.
- **SECVIT'24:** Participation Certificate.
- **OSWAP & WisCys:** Participation Certificate.