ROHIT SHIMPI

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EDUCATION

Vishwakarma Institute of Information Technology, Pune Pune, Maharashtra
Bachelor of Technology in Information Technology, (C.G.P.A.- 8.59) Nov 2022 – May 2026

EXPERIENCE

Industry Project Trainee Sept 2024 - Nov 2024
Sunshine Power Tronics Pvt. Ltd. Pune, India
- Designed and implemented an inventory management system using Node.js and MySQL.
- Developed a responsive frontend using Bootstrap, improving UI/UX.
- Enhanced system efficiency by automating tracking and reporting mechanisms.

Software Engineer Intern Dec 2024 - Jan 2025
Infosys Springboard (Remote). Pune, India
- Developed a full-stack application using Spring Boot, Thyme-leaf, and custom CSS.
- Integrated location-based services, search functionality, and efficient database management using JPA/Hibernate.

PROJECTS

Dream Hire – Job Portal | *gitHub*

Tech Stack: React (Vite), Tailwind CSS, React Router, Node.js, Express.js, MongoDB, Cloudinary, Axios
- Built a full-featured job portal with secure authentication, job posting, and resume upload features
- Integrated **Cloudinary** for image and **PDF resume storage**, ensuring smooth and fast performance

Wildfire Detection | *gitHub*

Tech Stack: Python, Flask, TensorFlow, Keras, ResNet50v2, **NASA APIs**, OpenWeatherMap, SMTP
- Identified wildfires using satellite images and live camera feeds with real-time weather data
- Created ML models to detect fire zones and the Flask backend for model inference
- Implemented **email notifications** for real-time wildfire alerts using SMTP, **achieving 99.95% accuracy**.

Multi-Traffic Rule Violation Detection | *gitHub*

Tech Stack: Python, YOLOv11, OpenCV, OCR, SMTP
- Developed a system to detect helmet violations, triple-seat riding, and mobile phone usage on two-wheelers
- Extracted vehicle plate numbers using OCR and sent violation alerts via email using SMTP.

CineFlix - Streaming | *gitHub*

Tech Stack: MERN Stack (MongoDB, Express.js, React.js, Node.js), TMDB API, Axios, JWT Auth
- Engineered a full-stack movie streaming platform using React, Node.js, Express.js, and MongoDB
- Integrated **TMDB API** for real-time movie data fetching and ensured full mobile responsiveness
- Implemented JWT-based authentication and user-specific favorites management

Achievements

- Awarded 2nd Prize in Innovation Fest 2024 by Binghamton University for Web Designing.
- Published a research paper on Traffic Violation Detection using YOLO and OCR in a reputed journal.
- Solved 350+ DSA problems on Leet Code, and GFG.
- Earned 50-Day and 100-Day Problem-Solving Badges for consistent coding practice.

Technical Skills

- **Languages:** Java, C++, C, JavaScript, Python
- **Frameworks:** React.js, Node.js, Spring Boot, REST APIs
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, Postman, IntelliJ IDEA, VS Code, NetBeans, Eclipse
- **Core Concepts:** Data Structures, OOP, Operating Systems, Computer Networks, ML