Lakshya Parmar

Web Developer | MERN Stack| Frontend Engineer

✉ Email   Phone   in LinkedIn   ⚬ GitHub

Raipur, India

Summary

Enthusiastic Computer Science undergraduate passionate about full-stack development and artificial intelligence. Skilled in designing scalable web applications using the MERN stack and in applying Artificial Intelligence to increase the work efficiency. Proficient in developing Frontends, handling pages, and deploying applications. Eager to contribute technical and problem-solving skills in impactful projects.

Work Experience

Vocational Trainee – Rays IT Solutions   Jun 2025 -- Aug 2025
Under the supervision of Dr. Ritvij Singh

Developed a web app to detect the spam mails causing millions of fraud in India:

- Web Development: Used Flask framework to develop a attractive web app.
- Machine Learning: Applied Logistic Regression, Random Forest, XGBoost and CNNs (with TensorFlow/Keras) to achieve 98% accuracy and reduce response time by 40%.
- Decompilation & Behavior Analysis: Analyzed binaries and identified malicious behavior using Machine Learning based on system activity.

Leveraged Java Spring Boot for backend integration, and implemented real-time threat analysis via Google Cloud Functions and Microsoft Fabric.

Projects

Smart Waste Collection and Management App

Developed a mobile-first waste management application inspired by Zomato's delivery model. Implemented features like citizen training modules, AI-powered waste segregation validation, and smart pickup scheduling with real-time tracking. Added QR-based confirmation system, GPS tracking, and admin dashboards for monitoring and analytics.

Blogging Platform with Admin control

Designed and implemented a multi-user blogging platform using the MERN stack (React, Node.js, Express, MongoDB). Developed RESTful APIs and CRUD operations for content management and user roles. Implemented role-based dashboards, approval workflows, and moderation controls. Deployed frontend on Vercel and backend on Render.

E-Commerce Marketplace for local artisans

Developed a MERN-based marketplace for artisans to list products and manage inventory. Integrated generative AI for automated product descriptions and marketing content. Enhanced searchability and listing quality with AI-powered workflows.

Skills

Core Skills: Python, JavaScript, Java (Data Structures & Algorithms), HTML, CSS, React, Responsive Design, Accessibility, Node.js, Express.js, RESTful APIs, MongoDB, MySQL, Supabase.

Tools: Git, Vercel, Render.
Soft Skills: Communication, Problem solving, Leadership, Teamwork, Research

Education

Bhilai Institute Of Technology   Sept 2023-- 2027
B.Tech Computer Science Engineering   CPI:7.2 (current)

I hereby declare that the above details are correct and legitimate to the best of my knowledge.