

Dharmesh Raikwar

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Bachelor of Technology

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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

•National Institute of Technology Karnataka, Surathkal

Mangaluru, India

B.Tech in Mechanical Engineering (Minor in Information Technology)

2022 – 2026

EXPERIENCE

•OSINT Ambitions

Feb – June 2025

Full-Stack Developer Intern | Remote

- Led the development and maintenance of **90% of applications** using **React.js (Vite)**, **Next.js**, and the **MERN stack**, integrating **30+ external APIs**.
- Delivered **25+ production-grade projects** deployed and actively used, focusing on scalability, responsiveness, and performance.
- Developed **profiler.me**, a platform unifying **20+ OSINT tools** for fast, efficient digital investigations.
- A streamlined payment processing system leveraging Stripe API, processing 10,000+ transactions per month with a consistent 0% error rate, as an intern on the team., **real-time data handling**, and sensitive user operations.
- Deployed projects using **AWS (EC2, S3, Lambda)** and **Railway**, ensuring minimal downtime and high availability.
- Optimized MongoDB queries, boosted API performance, and tackled **security flaws**—successfully mitigated a real-world **DDoS attack**.

PERSONAL PROJECTS

•Bankruptcy Prediction

Built an ensemble ML-based risk assessment tool for financial institutions to enhance credit risk prediction.

- Achieved **96.63% accuracy** and **99.6% ROC AUC** using a Voting Classifier combining Logistic Regression, XGBoost, and Random Forest.
- Resolved data imbalance with **SMOTE** oversampling technique, improving prediction reliability across distressed financial cases.
- Leveraged **SHAP** and **NLG** to generate explainable AI insights, improving model transparency for financial analysts.
- **Technologies:** Python, Scikit-Learn, SHAP, NLG, Pandas.

•Imagify: AI Manipulation Editing SaaS

Developed a full-stack image editing platform that enables real-time AI-powered image enhancements and transformations.

- Built and deployed 4+ production-grade tools (background removal, fill, recolor, object eraser) with fast rendering and high accuracy.
- Integrated **Stripe** for secure payment processing and **Clerk** for user authentication, supporting 500+ active users.
- Boosted user engagement by 25% through immersive 3D interactions using **Spline**.
- **Technologies:** Next.js, MongoDB, Cloudinary, Stripe, Clerk, Spline.

•AI Form Builder

Dynamic form builder that leverages AI to generate customizable layouts for different use-cases.

- Deployed on Vercel with 99.9% uptime for production-grade availability.
- Technology Used: Next.js, Tailwind CSS, Gemini AI, Stripe, Clerk.

TECHNICAL SKILLS AND INTERESTS

Libraries/Tools: C++ STL, React.js, pdf-lib, Tailwind CSS, Shadcn, HyperUI, Framer Motion

Frameworks: Next.js, React.js, Node.js, Express.js, Vite

Cloud & DevOps: AWS (EC2, S3, Lambda), Railway, Vercel, Docker

Databases: MongoDB, MySQL

Developer Tools: VS Code, Git, GitHub, Postman, Stripe, Clerk, Cloudinary, Spline

Machine Learning/AI: Scikit-Learn, SMOTE, SHAP, Gemini AI, OpenCV, NLG

Problem Solving: LeetCode (400+ streak), Codeforces (Pupil), Competitive Programming in C++

Relevant Coursework: Data Structures & Algorithms, Operating Systems, OOP, DBMS, AI, Probability & Statistics

ACHIEVEMENTS & LEADERSHIP

• Codeforces (Pupil rating 1200+) & LeetCode (Rank 1797/36,727 in Biweekly Contest 138)

•Runner-up, Unidao Blockchain Contest 2025

Led UI (60% of project) for responsive frontend.

•2nd place, Praelium CP Competition 2024

IEEE NITK coding contest.

•Web Master, BAJA NITK Racing

Delivered official website; improved engagement by 90%.

•Head of Media, IEEE NITK

Directed 90% of promotional media; managed 300-member team.

•Point of Contact, Eureka Event

Coordinated logistics and communication for successful event execution.