Dharmesh Raikwar

Roll No.: 221ME117
Bachelor of Technology
National Institute of Technology Karnataka, Surathkal

📞 +91-6392906704
✉ raikwardharmesh67@gmail.com
 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.
- Optimized MongoDB queries, boosted API performance, and tackled **security flaws**—successfully mitigated a real-world **DDoS attack**.

PERSONAL PROJECTS

• **NeuroHub: AI Codebase Assistant (LangChain, Gemini API, GitHub API, Firebase, AssemblyAI)**

- Built an AI-powered platform for collaborative code understanding using RAG and GitHub repo integration.
- Enabled contextual Q&A and code summaries via **LangChain**, embeddings, and **Gemini AI**.
- Added meeting transcription & query support using **AssemblyAI**; integrated usage tracking with **Stripe**.
- Handled private repo access via GitHub tokens; used **Firebase** for file uploads.

• **VaultMind (Python, Scikit-Learn, SHAP, NLG, Pandas)**

- Developed an ensemble-based credit risk assessment model to predict bankruptcy in financial institutions.
- Achieved **96.6% accuracy** and **99.6% ROC AUC** using a Voting Classifier combining Logistic Regression, XGBoost, and Random Forest.
- Used **SMOTE** to resolve data imbalance and improve generalization on distressed financial cases.
- Employed **SHAP** and **NLG** for explainable insights, improving model transparency for analysts.

• **Imagify: AI Image Editing SaaS (Next.js, MongoDB, Cloudinary, Stripe, Clerk, Spline)**

- Built a full-stack platform for real-time AI image editing (e.g., background removal, recolor, object eraser).
- Deployed 4+ tools with fast rendering and high accuracy; served 500+ active users.
- Integrated **Stripe** for payments, **Clerk** for auth, and immersive 3D UI using **Spline** (25% engagement boost).

• **AI Form Builder (Next.js, Tailwind CSS, Gemini AI, Stripe, Clerk)**

- Built an AI-driven dynamic form builder capable of generating layouts for diverse use cases.
- Integrated Gemini API for intelligent form generation; deployed on Vercel with 99.9% uptime.

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: Railway, Vercel, Docker
Databases: MongoDB, MySQL, Postgres, Prism
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.