

Joy Dalal

Full-stack developer

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[Portfolio Website](#)

SUMMARY

Full-stack developer with experience building scalable web applications, improving backend efficiency, and designing secure APIs. Proficient in React, Next.js, Node.js, Express, MongoDB, AWS, and CI/CD pipelines. Strong foundation in system design, DSA, and cloud deployment with proven impact in enhancing performance, reducing latency, and strengthening application reliability.

EDUCATION

Vellore Institute Of Technology

B.Tech in Computer Science (Cybersecurity)

2021 – 2025

Bhopal

EXPERIENCE

Indian Oil Corp Limited

Cybersecurity Intern

06/2025 – 07/2025

Delhi

- Automated security scanning pipelines, cutting manual review effort by **50%**.
- Detected **multiple vulnerabilities** using Burp Suite, Nmap, and log analysis.
- Developed Python automation scripts saving **6+ hours/week**.
- Assisted in vulnerability remediation and endpoint hardening initiatives.

Devtrend Web Solutions

Jr. Frontend Developer

05/2025 – 06/2025

- Enhanced Lighthouse performance score from **68 → 92** through render optimization and code-splitting.
- Minimized bundle size by **25%**, improving load time and UX.
- Developed modular UI components adopted across **3+ production apps**.
- Participated actively in Agile sprints, code reviews, and collaborative feature shipping.

SKILLS

Frameworks and Technologies

React, Next.js, JavaScript, TypeScript, Tailwind, Node.js, Express, REST APIs, OAuth2, OpenAI APIs, LangChain, AWS, Vercel, GitHub Actions, CI/CD.

Databases and Tools

MongoDB, MySQL, Git, Postman, Docker

Languages

Python, JavaScript, TypeScript
SQL

PROJECTS

MindShield AI — AI Security Assistant



Next.js • Node.js • Flask • MongoDB

- Engineered an AI-powered threat-analysis platform integrating a Node.js backend with Flask-based inference APIs.
- Improved inference throughput by optimizing routing and caching, boosting response time from **290ms → 80ms**.
- Implemented RBAC, secure sessions, refresh tokens, and OWASP-aligned API protections.
- Set up automated CI/CD with Vercel + Firebase, accelerating deployments by **80%**.

Wall Finishing Workflow System — Operations Dashboard



React • Node.js • MongoDB

- Built a workflow management system with full CRUD functionality and real-time synchronization.
- Accelerated database query performance by **60%** using indexing and optimized schema design.
- Reduced manual operations workload by **70%** via automation and streamlined dashboards.
- Added caching, validation layers, and secure REST architecture for high reliability and uptime.

CERTIFICATIONS

- AWS Cloud Practitioner

- Google Bits by Bytes

- TryHackMe Top 10%