

FAZIL P RAPHI

Full Stack Developer | Machine Learning Engineer

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PROFESSIONAL SUMMARY

Production-ready Full Stack Developer and ML Engineer with hands-on experience delivering 5+ end-to-end web applications serving 50+ users, using React, Next.js, Node.js, and MongoDB. Proven ability to architect secure REST APIs, implement JWT authentication, and build real-time data pipelines that cut latency by up to 40%. Experienced integrating deep learning models (TensorFlow, MobileNetV2) into scalable web interfaces, achieving sub-2-second inference response times for real-world AI applications.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React (Vite), Next.js, React Native, Flutter, Tailwind CSS

Backend: Node.js, Express.js, FastAPI, Flask, REST APIs

Databases: MongoDB, PostgreSQL, MySQL

Tools & Platforms: Supabase, Firebase, Docker, Vercel, Git, GitHub, Postman, Figma

Machine Learning: TensorFlow, Scikit-learn, Pandas, NumPy, OpenCV, Google Colab

EXPERIENCE

Full Stack Developer — Self-Initiated / Freelance

2024 – Present

- Architected and shipped 5+ production-grade full-stack applications end-to-end — including an expense tracker, applicant tracking system, and health platform — using React, Node.js, and MongoDB, collectively serving 50+ active users.
- Engineered scalable backend systems with JWT authentication and real-time analytics pipelines, reducing data retrieval latency by ~40% across 3 production applications.
- Optimized React (Vite) frontend bundles using modular architecture and lazy loading, improving page load performance by ~30% and cutting initial bundle size by 25%.

PROJECTS

VaultIQ | Next.js, Flask, MongoDB

- Engineered a full-stack expense tracking platform with real-time analytics dashboards, multi-category budgeting, and JWT-based auth; processed 1,000+ financial records with sub-second (<200ms) query response times.
- Designed a modular Flask backend with optimized MongoDB aggregation pipelines, cutting financial report generation time by ~35% and supporting 20+ concurrent dashboard sessions.

Synapse | FastAPI, TensorFlow, React (Vite), Firebase

- Built an end-to-end brain tumor detection system using MobileNetV2 trained on 3,000+ MRI images, achieving 94%+ multi-class classification accuracy with a full inference pipeline from model to real-time web UI.
- Integrated FastAPI backend with Firebase auth and a React frontend, delivering real-time predictions with under 2-second response time for 10+ concurrent users.

ATSTrack | React (Vite), Node.js, Express, MongoDB, Firebase Auth

- Delivered a production-ready applicant tracking system with resume parsing, candidate pipeline management, and role-based access controlling 100+ job applications across 3 user roles.
- Implemented Firebase Auth with Express middleware for secure multi-user session handling, supporting 5+ concurrent recruiters with zero session conflicts across scalable data routing.

HealthSync | React (Vite), Supabase

- Developed a health management platform tracking 500+ patient records with real-time data insights, row-level security policies enforced across 3 user roles, and multi-role Supabase authentication.

EDUCATION

B.Tech in Computer Science — College of Engineering Kallopparra

2023 – 2027