RAVI KUMAR KESHARI

Full Stack Developer & Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Developer at IIT Patna (CPI: 9.53/10, Top 5%) with experience building scalable SaaS platforms, real-time dashboards, and AI-integrated web applications using **React.js, Next.js 14, Node.js, Django REST Framework, PostgreSQL, Docker,** and **AWS**. Strong foundation in **Data Structures & Algorithms, System Design,** and the full Software Development Lifecycle (SDLC). Seeking Full Stack Developer or Software Engineer role in a product-driven engineering team.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, C, C++, SQL, Object-Oriented Programming (OOP)
Frontend: React.js, Next.js 14, HTML5, CSS3, Tailwind CSS, Redux, Context API, Framer Motion, PWA, Responsive Design, Mobile-First Design
Backend & APIs: Node.js, Express.js, Django, Django REST Framework, RESTful API, GraphQL, Authentication & Authorization (JWT, OAuth 2.0), WebSockets, Rate Limiting, Microservices, SDLC
Databases: PostgreSQL, MySQL, SQLite, Supabase, MongoDB, ORM (Sequelize, Django ORM), Query Optimization, Row-Level Security (RLS)
Cloud & DevOps: AWS (S3, EC2, API Gateway), Vercel, Docker, Git, GitHub, CI/CD, GitHub Actions, Linux, Nginx, Redis (Caching, Session Management), Jest (Unit Testing, Integration Testing), Pytest, System Design, Performance Optimization, Agile/Scrum, Code Review
AI/ML Integration: LLM APIs (OpenAI, Anthropic Claude API), Retrieval-Augmented Generation (RAG), LangChain, scikit-learn, Pandas, NumPy, Chart.js

WORK EXPERIENCE

Full Stack Software Engineer Intern *Dec 2025 – Feb 2026*
Ticky Tech Pvt. Ltd. — IoT/AI Startup, IIT Patna Incubation Centre

- Architected and shipped 2 high-performance full-stack IoT dashboards using **React.js** and **Django REST Framework**, processing real-time sensor data from 15+ device endpoints and reducing manual monitoring overhead by ~60%.
- Designed end-to-end system architecture across React.js SPA, Django REST microservices, and IoT data pipelines; implemented **GitHub Actions CI/CD** pipeline reducing deployment cycle from 3 days to under 2 hours with zero-downtime releases.

Frontend Developer Intern *Jun 2025 – July 2025*
ProDesk IT and Engineering Services — IT Services & Product Company

- Engineered 12 pixel-perfect responsive **React.js** UI components from Figma wireframes, establishing a shared component library that cut designer-to-engineer handoff time by 30% across a 6-member Agile/Scrum team.
- Integrated 8+ **RESTful APIs** with error handling and loading-state management; participated in **code reviews** and maintained Git-based version control workflows, contributing to a 40% reduction in UI regressions.

PROJECTS

MediTrack — Medical Inventory SaaS | React.js · Node.js · PostgreSQL · JWT · OAuth 2.0 · AWS S3 · Docker · GitHub Actions *2025 – 2026*

- Production-grade full-stack SaaS with **JWT & OAuth 2.0 secured RBAC** for 3 user tiers managing 1,200+ pharmaceutical SKUs; automated **PostgreSQL** triggers eliminated 70% of manual errors, reducing stockout incidents from ~12 to under 4 per month.
- Containerized with **Docker** and deployed on **AWS (S3, API Gateway)** with GitHub Actions CI/CD; implemented **Redis caching** for session management, achieving 99.5% uptime across 3 months of production operation.

CivicRise India v1.0.4 | Next.js 14 · TypeScript · Supabase · PostgreSQL · Google Maps API · PWA · Vercel *2025 – 2026*

- Built and launched a Next.js 14 PWA for geo-tagged civic issue reporting (GPS, photo/audio); 500+ verified submissions across 3 districts within 8 weeks. Achieved Lighthouse score 92 with full PWA compliance — offline support and installability.
- Implemented Supabase with Row-Level Security (RLS), real-time WebSockets subscriptions, and Google Maps API; deployed on Vercel with automated CI/CD for zero-downtime releases.

Leazy Learn v1.0.0 | Next.js · TypeScript · PostgreSQL · Neon · AI/LLM APIs · LiveKit · Vercel *2026 – Present*

- Built and deployed a production-grade **AI-powered learning platform** with **17+ integrated features** including personalized dashboards, AI-assisted learning, **Digital Twin**, real-time Live Sessions, multiplayer **Exam War**, resource management, and adaptive exam-focused content delivery.
- Architected the platform using **Next.js, PostgreSQL/Neon**, real-time **WebRTC infrastructure**, and **AI/LLM integrations**; implemented secure authentication, role-based workflows, real-time collaboration, gamification, and scalable cloud deployment on **Vercel**.

EDUCATION

B.S. Computer Science & Data Analytics — IIT Patna *2024 – 2027(Expected May 2027)*
CPI: 9.53/10 | Top 5% of Cohort | Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning, Object-Oriented Programming

ACHIEVEMENTS & CERTIFICATIONS

- **Rank 1** — Resume Building Competition, STC IITP Hybrid (2026) | Secured 1st position among 100+ participants; recognized for ATS optimization and professional resume engineering.
- **3rd Place — HackNTech 3.0 Hackathon, IIT Patna (2026)** | Competed among 100+ teams; built full-stack solution using React.js and Node.js in a 24-hour sprint.
- **Open Source Contributor — Apertre 2.0, Resourceio Community (2025)** | Contributed across a 30-day OSS sprint backed by LangDB, GitHub, FlutterFlow; received official Contribution Certificate.
- **Academic Topper — 94.6% (BSEB 2022)** | School rank #1
- **Certificate — Flipkart x DEO Certificate**