

Vikas Rathod

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WORK EXPERIENCE

3brain Technolab

Jr. Full-stack developer

March. 2023 – Currently employed

Remote

- **Upstream – Performance & Assessment Management Platform**

- Worked as a full-stack developer in a cross-functional team to build a complex role-based performance management system using Python and React.js. Implemented secure JWT authentication and dynamic user hierarchies across roles like Superadmin, Admin, Supervisor, and Employee. Developed features like CSV-based bulk user onboarding with hierarchical mapping, goal tracking, timeline approvals, and peer/self/direct report assessments with MCMC-based scoring algorithms. Added an AI-powered comment summarizer using a small language model for user profile insights. **Led infrastructure efforts by containerizing the application, setting up CI/CD with GitHub Actions + GHCR, and deploying to a VPS for production.**

- **JobShack – Marketplace for Construction Materials**

- Contributed as a full-stack developer to build an e-commerce platform enabling users to buy and sell construction materials. Implemented core features like product listing, location-based search, advanced filtering, map view integration, real-time notifications, and complete order tracking with purchase history. Integrated **Stripe Payment Gateway** for secure transactions and automated email/status updates. Enabled **real-time buyer-seller negotiation through in-app chat** within the material detail section. **Built using Typescript, Next.js, and Node.js** with a responsive and scalable architecture.

Radixweb

Full-stack Intern

Aug 2022 – Feb-2023

Ahmedabad, Gujarat

- Gained hands-on experience in building scalable backend services using **Node.js and TypeScript**, with exposure to advanced Node.js concepts like event-driven architecture, middleware patterns, and REST API design. Developed a strong foundation in frontend frameworks—primarily **React.js**, along with **Vue.js** and **AngularJS**. Worked extensively with **Git** for version control and collaborative development.
Contributed to a **live project: an Online Book Library System**, where I helped build backend APIs such as **User Authentication, Book Borrow/Return, and Search/Filter Books**.

EDUCATION

Ganpat University (Apr 2020 - Mar 2022)

Mehsana

- **M.Sc (Computer Science) - GPA: 8.4/10.0**

Ganpat University (Apr 2017 - Mar 2020)

Mehsana

- **B.Sc (Computer Science) - GPA: 7.9/10.0**

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Machine Learning by Andrew Ng (Coursera) and Algorithms, Part I – Princeton University (Coursera)
- **Technologies:**

Frontend: React.js, Tailwind CSS, Next.js		Backend: Node.js, Python, Golang
Languages: JavaScript, TypeScript, Python, Go		DevOps: Docker, Linux, AWS
Others: WebSockets, Redis, Kafka, RabbitMQ		

- **Skills:** REST API Design · Scalable Backend Architecture · CI/CD & DevOps · Containerization (Docker) · JWT Authentication · WebSockets · Git & GitHub Workflow · PostgreSQL & MongoDB · System Design Basics · Debugging & Optimization · Agile Collaboration
- **Interests:** Learning New Tech (ML, Go, DevOps) · Open Source Contribution · Tech Communities · Problem Solving · Personal Productivity · Gujarati Garba Nights · Exploring Memes on Reddit.