

Rohit Kadam

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SUMMARY

B.Tech graduate in Electronics and Communication Engineering (AI-ML) from MIT World Peace University with hands-on experience building full-stack and agentic AI systems. Proficient in React.js, Next.js, Node.js, and Django for production-grade web development, and experienced in designing RAG pipelines, vector databases, LLM integrations, and autonomous browser automation using OpenAI and Playwright. Seeking full-time roles in Full Stack Development, AI Engineering.

EDUCATION

MIT World Peace University

B.Tech – Electronics and Communication Engineering (AI-ML)

Pune, Maharashtra

Aug. 2022 – May 2026

- GPA: 7.32/10
- Relevant Coursework: Machine Learning, Deep Neural Networks, Image Processing & Pattern Recognition, DBMS, Natural language processing

EXPERIENCE

Web Developer Intern

Jnana Prabodhini Educational Resource Centre

July 2025 – Dec 2025

Pune, Maharashtra

- Built and deployed **ChoteShetkari**, a full-stack ed-tech web app for plant cultivation learning and growth tracking, used by students
- Developed a responsive frontend using **React.js** with dynamic UI components and real-time progress dashboards
- Engineered REST API backend using **Django**, handling user data, plant records, and growth milestones with secure authentication

PROJECTS

AI-Driven Browser Automation System | TypeScript, Node.js, Playwright, OpenAI GPT-4.1, Next.js | 📄 2026

- Architected an **agentic browser automation system** with an intent router, LLM planner (structured JSON schema), and a CDP-connected executor.
- Built dual-signal selector discovery (DOM + vision) enabling the agent to autonomously navigate Gmail, LinkedIn, Twitter/X, and Google Meet
- Integrated **Mem0 SDK + Qdrant vector DB** for persistent cross-session memory, reducing re-instruction overhead by retaining context across 5 automation sessions

Nooto | Next.js, OpenAI, Qdrant, Convex, Clerk | 📄 2025

- Built a **RAG-based chatbot** with semantic search over user notes using OpenAI embeddings and Qdrant vector DB for accurate context retrieval
- Implemented real-time backend with **Convex** and secure session-based authentication via **Clerk**, enabling personalized persistent chat history

Fitness-AI | Next.js, React, Vapi, OpenAI, Convex, Clerk | 📄 2025

- Developed an **AI-powered fitness app** with real-time voice-based workout guidance using **Vapi** voice API and LLM-generated personalized plans
- Integrated dynamic workout and diet plan generation using **prompt engineering** with OpenAI, with data persistence via Convex

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML/CSS, SQL, C/C++

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Django, React Native

AI/LLM: RAG Pipelines, Agentic AI, Prompt Engineering, LLM Integration (OpenAI GPT-4), LangChain, Mem0 SDK

Databases: MongoDB, MySQL, Neo4j (Graph DB), Qdrant (Vector DB)

Tools & Platforms: Git, GitHub, Docker, Postman, Playwright, REST APIs, Linux, VS Code