

RAJIKA PATEL

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PROFESSIONAL SUMMARY

AI Developer and Product Builder with expertise in full-stack development, DevOps, and LLM-powered applications. Built and shipped production AI products serving 500+ active users, including voice-based interview platforms and AI-powered personal productivity tools. Strong background in CI/CD automation, analytics instrumentation, and AI training delivery for enterprise audiences. B.Tech in Computer Science (AI Specialization) with research experience at IIT Kharagpur.

PROFESSIONAL EXPERIENCE

Senior Executive AI Developer | Jaipuria Institute of Management (JaipuriaAILabs) | Delhi

May 2025 – Present

- **Rehearsal AI:** Architected and shipped a voice-based mock interview platform (Next.js, Supabase, Claude API, ElevenLabs TTS) with 500+ active student users and real-time AI-generated performance feedback.
- Designed and implemented 18 PostHog analytics events across 4 categories with funnel dashboards, Slack webhook alerts, and engagement tracking to drive data-informed product decisions.
- Led CI/CD pipeline overhaul: identified 71 improvements across 3 workflow files, configured nightly builds with OWASP security scans, multi-browser E2E testing (Playwright), and dependency audits.
- **JChat:** Developed and launched a white-labeled AI campus assistant integrating multiple LLMs for context-aware student and faculty support.
- Scoped and documented a law firm AI call agent performance dashboard (Next.js BFF, Supabase/Postgres, TanStack Query, RLS tenant isolation) with KPI cards, call recordings, and transcript playback.
- Managed cloud infrastructure and DevOps: CI/CD pipelines (GitHub Actions), deployment on Vercel and Render, system monitoring, and performance optimization.

AI Trainer & Prompt Engineering Instructor | Jaipuria Institute of Management | Delhi

May 2025 – Present

- Conducted 10+ training sessions for MBA students, faculty, HR teams, and management on AI tools (Claude, ChatGPT, Gemini), prompt engineering (CRAFT framework), and responsible AI practices.
- Developed curriculum covering hallucination/bias/privacy risks, Chain-of-Thought reasoning, RAG architecture, AI governance, and hands-on workflow automation with generative AI.
- Built Excel automation workshops (timetable conflict detection, VBA macros, conditional formatting) and Power BI fundamentals for non-technical audiences.
- Delivered sessions using dialogue-over-monologue pedagogy and the 2-4-8 audience engagement rule, consistently receiving positive feedback from diverse audiences.

Software Engineer Intern | December Technology Pvt. Ltd. (FUDR) | Jaipur

October 2024 – May 2025

- Implemented RESTful APIs for referral code validation and brand verification, achieving seamless integration with the core product and expanding platform functionality.
- Deployed, tested, and merged APIs into the primary system, ensuring production stability and backward compatibility.

Python Developer & Research Intern | IIT Kharagpur | Kharagpur

May 2023 – August 2023

- Conducted flood impact prediction research, developing Python programs to process large geospatial datasets and significantly boosting data processing efficiency.
- Created a GUI application to read elevation data from large vector files (10,000+ points) and generate reservoir boundary files based on configurable user input parameters.

KEY PROJECTS

life.ai – AI Personal Work Assistant | Web App, AI/LLM 2025 – Present

- Building an AI-powered personal work assistant as a standalone web platform, helping users manage tasks, workflows, and productivity through intelligent conversational AI.
- Designed and developed the full product website, delivering a seamless AI-driven user experience for individual productivity.

Highlyt – Context-Aware Reading & Highlighting Tool | Web App, React 2025 – Present

- Built a reading tool that preserves the intent behind every highlight through color-coded meaning and user-defined connections between ideas, unlike traditional tools that reduce highlights to plain text.
- Designed around the moment of decision during reading — capturing why something matters, not just what was saved — matching how people actually think while reading.
- Live product at highlyt.app, offering a fundamentally different approach to knowledge retention over conventional highlight-and-store tools.

Placement & Internship Management System | React, Express, Node.js, PostgreSQL Sept – Nov 2024

- Replaced manual paper/Excel record management for 300+ university students with a centralized web platform, streamlining placement and internship tracking.
- Built a secure admin dashboard with JWT authentication for user management, data monitoring, and single-click student registration.

Gita GPT – Custom GPT-1 Model | Python, Transformers, LLM March – April 2024

- Developed a GPT-1 model from scratch with ~12 million parameters, training on a custom Bhagavad Gita text dataset and achieving 97% accuracy.

Traffic Analysis System | Python, YOLOv8, Roboflow, Computer Vision Aug – Sept 2023

- Built a real-time traffic analysis system for vehicle detection and traffic flow prediction using YOLOv8 and computer vision techniques.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript/TypeScript, Java, SQL, C++, HTML/CSS
- **Frameworks & Libraries:** Next.js, React, Express, Node.js, Spring Boot, TensorFlow, Keras, HuggingFace Transformers, Pandas, NumPy
- **AI/ML:** Large Language Models (Claude API, GPT), Prompt Engineering (CRAFT, CoT, RAG), Computer Vision (YOLOv8), Deep Learning, NLP
- **Cloud & DevOps:** Vercel, Render, Supabase, GitHub Actions CI/CD, Docker, Cloudflare, OWASP Security Scanning
- **Tools & Platforms:** PostHog Analytics, Playwright E2E Testing, Vitest, ElevenLabs TTS, Slack Webhooks, PostgreSQL, Power BI

EDUCATION

B.Tech in Computer Science & Engineering (AI Specialization) | JK Lakshmipat University | Jaipur

2021 – 2025 | CGPA: 8.5

- Teaching Assistant for Programming and Data Structures & Algorithms.