

Rahul Saini

Web Developer



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SUMMARY

Web Developer building production-ready web apps and AI-powered products - from React frontends and Python APIs to LLM agents, RAG pipelines and cloud deployments on AWS & Azure.

SKILLS

AI Agents: LangChain, LangGraph, RAG, Agentic AI, Embeddings, Vector DBs, OpenAI, Claude

Backend & REST APIs: Python, FastAPI, Django, REST APIs, PostgreSQL, Redis

Frontend: React, TypeScript, Next.js, Tailwind CSS

Automation & Workflows: Cron Jobs, Celery, AWS Lambda, Step Functions, EventBridge

Cloud & DevOps: AWS, Azure, Docker, CI/CD, Git

EXPERIENCE

Web Developer

Snakescript LLP | Mohali | Full-time | Mar 2024 - Present

- Work across the full stack - frontend, backend, AI features and deployment - delivering 15+ client projects end-to-end.
- Build full stack features with React/Next.js frontends and Python (Django, FastAPI) & Node.js backends.
- Develop LLM-powered features - RAG pipelines, chatbots and agent workflows with LangChain & LangGraph.
- Built scalable AWS data pipelines (Lambda, ECS, Step Functions) that collect and process research data from multiple biomedical databases.
- Automate business workflows - email data extraction, XML API integrations and automated notifications.
- Deploy and run services on AWS & Azure with Docker, Nginx and CI/CD pipelines.

PROJECTS

AI-Powered Medical Research Platform | Python, FastAPI, LangChain, LLMs, React, AWS Lambda, ECS, Step Functions

A company-to-company platform that gives life-science customers AI-powered research: it automatically gathers data from leading US biomedical databases, turns it into dashboards and reports, and lets users explore it through a conversational AI interface.

Knowledge-Based Group Chat | Django, React, LangChain, RAG, Vector DB, WebSockets

Users create an account, set up groups that each have their own knowledge base, and chat with an AI that answers using only that group's knowledge.

Flight Details Email Automation | Python, IMAP / SMTP, LLM parsing, Celery

Automation tool that reads booking emails, extracts flight details and sends automated email updates.

AI Voice & Document Automation Platform | Python, Jira API, Retell AI, OCR, LLMs

Full stack platform that ties together Jira project management, AI voice-call automation and OCR document processing, with an AI chatbot that answers questions about the extracted content.

LLM Agent Workflows | LangGraph, LangChain, Python, OpenAI / Claude

Multi-step AI agents that call tools and APIs to automate business tasks with human-in-the-loop review.

Employee Management Portal | Python, REST APIs, React, React Native, PostgreSQL

HR portal for day-to-day staff management - check-in/check-out and attendance tracking, daily status reports and salary slip generation, with a companion mobile app.

ISP Management Platform | Python, REST APIs, React, Real-time notifications

Broadband provider platform for managing internet plans, customer service and support tickets, with real-time notifications that alert the support team as soon as a ticket comes in.

EDUCATION

Master of Computer Applications (MCA)

Chandigarh University | 2024 - 2026

Bachelor of Computer Applications (BCA)

Chandigarh University | 2021 - 2024