

Praveen Singh Rawat

psrwt.github.io | praveensingh.connect@gmail.com | linkedin.com/in/praveensinghrawat

EDUCATION

University School of Automation and Robotics

B.Tech in Artificial Intelligence and Machine Learning — CGPA: 8.2/10

New Delhi, India

Nov. 2022 – July 2026

EXPERIENCE

CWxAI (Startup Venture) | cwxai.vercel.app

Jan 2025 – Jul 2025

Full-Stack Developer

- Built an AI-driven startup validation platform using RAG + real-time external data; shipped end-to-end report pipeline.
- Developed responsive Next.js frontend and APIs that produced 230+ automated reports for 100+ users across 12 countries.
- Integrated Razorpay for payments, and implemented backend reporting → structured JSON → interactive visual dashboard flow.
- Iterated on features based on feedback from early pilot users during alpha stage.

National Informatics Center (NIC)

June 2024 – July 2024

Full-Stack Developer Intern

- Worked on a Government project Inspector Tracking System (ITS) using Laravel, MySQL, and JavaScript
- Implemented secure authentication and role-based access control for sensitive government data
- Designed and developed admin and inspector dashboards
- Built document upload and permission-controlled access workflows
- Designed backend routes, controllers, and service layers to manage core workflows and database transactions

PROJECTS

Negotia - Multilingual Conversational Sales Agent | [Link](#) | *FastAPI, React, Langchain, Pinecone, Murf AI*

- Built STT → intent → LLM → TTS conversational pipeline for 15+ languages.
- Integrated LangChain + Gemini for context-aware, personalized conversations
- Implemented semantic product retrieval using Gemini embeddings and Pinecone vector DB to improve search relevance.
- Added LLM-based price negotiation with backend business rules for controlled discounting.
- Delivered a full-stack production system with FastAPI backend and React frontend

Smart Doctor-Patient Assistant | [Link](#) | *MCP, Python, FastAPI, React, PostgreSQL*

- Built an agentic AI healthcare assistant using MCP for dynamic tool discovery and server-side execution.
- Developed a multi-turn Llama 3.3 agent to automate scheduling and generate clinical patient history reports.
- Integrated Google Calendar and Slack APIs to sync clinical schedules and automate real-time notifications.
- Designed a FastAPI and React full-stack system using specialized MCP tool-calling for secure data handling.

Intelligent Blog Content Pipeline (RAG + LLMs) | *Python, Flask, llm, Web Scraping*

- Built an automated Blog content generation pipeline using external web data and RAG to create up-to-date blog drafts.
- Designed multi-stage LLM workflows for outline generation, drafting, summarization, and tone adaptation
- Developed SEO-focused internal linking and keyword placement logic to improve content structure and discoverability.
- Created REST APIs in Flask to deliver ready-to-publish blog drafts

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS

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

Backend & APIs: Node.js, Flask, FastAPI, Laravel

AI / LLM Systems: Retrieval-Augmented Generation (RAG), LangChain, LangGraph

Databases: MySQL, MongoDB, Pinecone (Vector Database)

Developer Tools: Git, VS Code, PyCharm, Jupyter, Postman, Figma