

# Praveen Singh Rawat

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## 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 ([cwxai.in](https://cwxai.in))

Jan 2025 – May 2025

Full Stack Developer

- Built an AI-driven platform for startup validation using Retrieval-Augmented Generation (RAG) and real-time data sources
- Developed responsive frontend with Next.js, improving usability and performance
- Integrated Razorpay for secure online payments across global markets
- Contributed to growth, scaling to 100+ users across 12 countries and generating 230+ automated reports

### National Informatics Center (NIC)

June 2024 – July 2024

Full Stack Intern

- Modernized the Inspector Tracking System (ITS) using Laravel, MySQL, and JavaScript
- Implemented secure authentication for sensitive government data
- Designed user-friendly admin and inspector dashboards
- Developed robust document upload and access-control features
- Enhanced efficiency with real-time data management for inspectors and admins

## PROJECTS

### Intelligent Blog Content Pipeline (RAG + GPT) | Python, Flask, OpenAI GPT, Google Alerts, Web Scraping

- Built an automated content generation system leveraging Google Alerts and web scraping
- Developed GPT/Gemini-powered pipeline for outline generation, content drafting, and summarization
- Implemented tone adaptation and SEO-optimized internal linking algorithm
- Created REST APIs in Flask to deliver ready-to-publish blog drafts

### Conversational Sales Agent with Multilingual Support | Python, FastAPI, React, Pinecone, Google Gemini, Murf AI

- Engineered multilingual voice pipeline (STT → Gemini → TTS) supporting 15+ languages for mobile sales
- Integrated Gemini with LangChain for context-aware dialogue and personalized recommendations
- Implemented semantic search with Hugging Face embeddings and Pinecone vector database
- Delivered production-ready stack with FastAPI backend and React frontend

### Real-Time Communication Platform (Socket.IO + MongoDB) | React.js, Express, MongoDB, Socket.IO, JWT

- Built scalable chat platform enabling secure communication with multiple users
- Implemented JWT-based authentication for secure sessions
- Integrated image sharing with Multer for efficient file handling
- Used Socket.IO for instant messaging with real-time notifications

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, HTML/CSS

**Frameworks:** Next.js, React, Node.js, Flask, FastAPI, Laravel

**AI/ML:** TensorFlow, PyTorch, scikit-learn, Transformers, Hugging Face, OpenCV

**Databases:** MySQL, MongoDB, Pinecone

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

**APIs/Integrations:** REST APIs, Razorpay, Google Custom Search API, OpenAI API