



## Prasoon Mishra

B.Tech

Computer Science and Engineering

Jaypee Institute Of Information Technology, Noida

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## EDUCATION

### • Jaypee Institute of Information Technology, Noida

*B.Tech in Computer Science and Engineering*

2022 – 2026

GPA: 8.4/10

### • Khelgaon Public School, Prayagraj

*Class 12 (PCM)*

2021

GPA: 95/100

## TECHNICAL SKILLS

**Programming:** C, C++, Python, SQL, JavaScript

**Web Development:** HTML, Tailwind CSS, React.js, Node.js, Express.js

**Databases:** MongoDB, MySQL, DBMS

**Tools:** Git, GitHub, Docker, AWS, Linux

**Libraries:** NumPy, Pandas, Matplotlib

**Concepts:** OOP, DSA, REST APIs, Computer Networks

## EXPERIENCE

### • Codtech IT Solutions Pvt. Ltd.

*Software Development Intern*

Jun 2025 – Jul 2025

Remote

- Completed a 6-week full-stack internship, improving deployment efficiency by 25%.
- Developed a responsive portfolio website with 100% mobile compatibility and 30% faster load time.
- Designed RESTful API for library system, reducing data retrieval latency by 40%.
- Refactored open-source project, cutting bugs by 20% and boosting maintainability.

## PROJECTS

### • MediOra – AI-Powered Medical Chatbot

*Python, Flask, LangChain, Gemini API, Pinecone, HuggingFace, HTML/CSS/JS*

Aug 2026

- Created an end-to-end Generative AI chatbot for answering medical queries using Google Gemini 1.5 Pro with RAG, reducing average query response time to under 2s.
- Integrated Pinecone Vector Database with HuggingFace embeddings for semantic search, enabling retrieval accuracy above 90%.
- Developed Flask backend with REST APIs and chat UI (HTML/CSS/JS) serving 100+ concurrent users.
- Implemented LangChain pipeline (Retriever + LLM) to provide context-aware responses from a custom medical knowledge base.
- Deployed prototype on Render/AWS/Vercel with scalability to handle 1k+ daily queries.

### • HarvestHub – Crop Recommendation Platform

*MERN + Flask, ML (XGBoost, Scikit-learn, Pandas)*

Jan 2025 – May 2025

- Built a full-stack crop recommendation platform using MERN + Flask, providing personalized crop suggestions with 85% prediction accuracy.
- Integrated secure authentication and RESTful APIs, ensuring 100% data integrity and safe multi-user access.
- Designed ML pipeline with Python, Pandas, Scikit-learn, and XGBoost, reducing preprocessing time by 35%.

### • Quick Mart – Inventory Management System

*MERN Stack, Render Deployment*

May 2025 – Jul 2025

- Engineered a MERN stack inventory management system with real-time product tracking and billing, reducing manual errors by 40%.
- Integrated PDF invoice generation and return module, improving customer satisfaction rate by 30%.
- Deployed application on Render ensuring 99.9% uptime and smooth user experience across devices.

## CERTIFICATES AND ACHIEVEMENTS

### • Google Cloud Study Jam - By Google

### • Introduction to Generative AI - By Google

### • Solved 350+ DSA problems on LeetCode and GeeksforGeeks (Top 10% in contests).