

Krishna Kumar Paswan

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Education

Maulana Azad National Institute of Technology, MANIT Bhopal	2021 – 2025
• B.Tech in Electrical Engineering	
Sri Raghukul Vidhya Peeth, Gonda UP	2018
• 10th CBSE, 88.16 Percent	
Sri Raghukul Vidhya Peeth, Gonda UP	2020
• 12th CBSE, 79.04 Percent	

Experience

Software Engineer , InfoObjects – Jaipur	July 2025 – Present
• Join as Software Engineer at InfoObjects Inc.	
• Working on Full Stack Development and Generative AI	
• Build RAG and agents using LangChain, LangGraph and Agentic AI	

Projects

AI-LMS

- Built AI powered learning management system for personalized learning of students.
- Built an intuitive, responsive UI using React and a secure backend using Node.js
- Utilized vector databases and embeddings to enable semantic search across course materials.
- Integrated automated assessment tools including AI-generated quizzes, question paper and instant grading.
- Use API gateway for singal entry point for all client request to backend.

RAG Chatbot

Live Dashboard

- Developed a Retrieval-Augmented Generation Chatbot that answers document-based queries.
- Use Enhanced document search accuracy using semantic embeddings.

ChatPulse

Live Dashboard

- Built a live chat app supporting two-way communication with authentication and authorization.
- Achieved less than 200ms for message delivery latency by optimizing WebSocket connections

Technical Skills

Languages: C++ , JavaScript, TypeScript, Python and SQL

Frontend: HTML, CSS, React, Redux, Bootstrap

Backend: NodeJs, ExpressJs, NextJs, FastAPI

Database: MySQL and MongoDB

AI and ML: LLM , NLP, Fine Tuning and Generative AI

Tools/Technologies: Git, Github, Docker and Ollama

Cloud Platform: AWS and Google Cloud

Relevant Coursework

- Data Structure and Aglorithms
- Machine Learning
- Operating System
- Database Management System (DBMS)
- Computer Network
- Object Oriented Programming (OOPs)