

Naman Gupta

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EDUCATION

Kalinga Institute of Industrial Technology

Bachelor of Technology (B.Tech.) in Computer Science

CGPA: 8.7/10

Bhubaneswar, India

July 2023 - Present

City Montessori School, ICSE

10th Secured 97% / 12th Secured 95%

Lucknow, India

PROJECTS

Car Price Prediction

Built an ML model using regression algorithms to predict car prices based on features like brand, mileage, and age, achieving 92% accuracy after data preprocessing and hyperparameter tuning environments.

IntelliLearn – AI-Powered Learning Management System

Designed and implemented a scalable, microservices-based LMS using Spring Boot, Spring Cloud, and Spring Security to enable modular development. Integrated secure JWT-based authentication and role-based access control for Students, Instructors, and Admins. Leveraged Ollama's AI capabilities for real-time quiz generation, personalized learning suggestions, and content summarization. Developed intuitive, role-specific dashboards in ReactJS to manage course enrollments, performance analytics, and content tracking. Utilized PostgreSQL for persistence, and OpenFeign with Eureka for seamless inter-service communication and discovery.

Document Chatbot

This chatbot lets a user upload a PDF or Word file, processes it by splitting the text into chunks, and stores them in a FAISS vector database for efficient retrieval.

It uses embeddings + a language model (LLM) to answer user queries conversationally based on the document.

PUBLICATION

Software Defined Networking (SDN)

Authors – Priyanshi Kumari, Naman Gupta, Poonam Parida, Divya Sinha, Anjishnu Nandi

- Proposed a comprehensive study on Software Defined Networking (SDN) highlighting its architecture, key components, and control–data plane separation. Demonstrated how SDN improves scalability, flexibility, and centralized network management. Explored applications in cloud computing, data centers, and network security, while analyzing challenges such as controller bottlenecks and security vulnerabilities.

CERTIFICATES

Agentic AI Bootcamp: [View Certificate](#)

Complete Data Science, Machine Learning, DL, NLP Bootcamp: [View Certificate](#)

The Complete Python Bootcamp From Zero to Hero in Python: [View Certificate](#)

SKILLS

- **Research Interests:** Machine Learning, Artificial Intelligence, Deep Learning , NLP, GenAI, LLM
- **Programming Languages:** Java, Python
- **Databases:** Postgres, MySQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, TensorFlow