

SUJEET KUMAR

Data Analyst

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WORK EXPERIENCE

Tata Technologies

Software Development Intern

Sep 2024 - Nov 2024

- Designed an offline private ChatGPT system using **LlamaIndex** for **Generative AI**, deployed in Dockerized environments.
- Integrated **PostgreSQL** for secure data storage and real-time chat history management.
- Developed multi-modal functionalities, including **Retrieval-Augmented Generation (RAG)**, **search**, and **summarization**, to enrich user experience.

EDUCATION

HKBK College of Engineering

Bachelor of Engineering - 8.8 CGPA

Nov 2021 - May 2025

Shershah College

Intermediate (12th) - 80%

May 2018 - April 2020

Central English School

Matriculation (10th) - 80%

April 2013 - Mar 2018

PROJECT

Network Security System [↗](#)

- Developed an end-to-end **MLOps pipeline** for network security with **ETL**, **custom logging**, **data processing**, **model training**, and deployment to **AWS S3**.
- Automated **CI/CD** workflows using **GitHub Actions**, built **Docker images**, and deployed the system on **AWS EC2** instances for real-time predictions.

Quora Question Pair Detection [↗](#)

- Developed and deployed a duplicate question detection system with **85% accuracy** using **NLP** and machine learning on **400,000+** question pairs.
- Enhanced model performance by **15%** through **advanced text preprocessing** and **EDA** on Quora data.

SKILLS

- **Languages:** HTML | CSS | Javascript (Basic) | Python | Django | SQL | NLP | Machine Learning
- **Libraries:** Numpy | Pandas | Matplotlib | Seaborn | Scikit-Learn | NLTK
- **Others:** VS Code | Jupyter (or) Colab Notebook | MS Office | Git & Github | Data Structure | DBMS

CERTIFICATE

IIT Patna Hackathon [↗](#)

- Earned a certificate of participation in a hackathon organized by **GDSC IIT Patna**.

Python Course [↗](#)

- Python certification course from **Infosys springboard**