

Sujeet Kumar

Data Scientist

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EDUCATION

HKBK College of Engineering, Bachelor of Engineering
Computer Science and Engineering, CGPA - 8.8 Nov 2021 – present | Bengaluru

Shershah College, Intermediate (12th)
PCM, Percentage: 80% Jun 2018 – Apr 2020 | Bihar

Central English School, Matriculation (10th)
Percentage: 80% Apr 2013 – Mar 2018 | Bihar

EXPERIENCE

Software Development Intern, Tata Technologies Sep 2024 – Nov 2024 | Bengaluru

- Integrated an offline private ChatGPT using **GenAI** and **PostgreSQL** in Dockerized environments, boosting data management **efficiency by 30%** with secure storage and real-time chat history tracking.
- Implemented **GPU acceleration** for a **30% performance boost** and added multi-mode chatbot capabilities (**RAG, Search, Summarize**) to enhance user experience.

TECHNICAL SKILLS

TECHNICAL: HTML | CSS | Javascript (Basic) | Python | Django | Numpy | Pandas | Matplotlib | Seaborn | Scikit-Learn | NLP | NLTK | Statistics | Probability | Machine Learning | SQL | PostgreSQL | AWS (Basic) | Data Analytics | Data Visualization | Exploratory Data Analysis (EDA)

TOOLS: VS Code | Jupyter (or) Colab Notebook | MS Office | Git | Github | Data Structure | DBMS

PROJECTS

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 Duplicate 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.

CERTIFICATES

- Earned a certificate of participation in a hackathon organized by GDSC IIT Patna
- Python certification course from Infosys springboard