

JYOTI NIGAM

Software Engineer

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📍 Kanpur - India

🔗 [Hashnode](#)

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EXPERIENCE

Data Scientist

[AIMERZ.AI](#)

📅 Oct 2024 – Present

📍 Bangalore, India

- Conducting live lectures for the Data Science course.
- Leading data science content team in designing a comprehensive Data Science curriculum, including planning, content creation, and project-based learning materials aligned with industry standards.
- Working on Deep Learning and Generative AI projects.

Data Scientist

[4PointX Industrial Analytics](#)

📅 Apr 2023 – Oct 2024

📍 Bangalore, India

- Improved code hygiene in the backend by implementing best practices for Python code that led to **reduction of LOC by 30%**.
- Developed developer documentation in RST format for APIs, ensuring clear and accessible resources for fellow developers.
- Provided daily scrum updates for a team of 5 members, **led client meetings directly**, and delivered regular updates to clients.
- **Tech Stack:** Python, Flask, NLP, Elasticsearch, Docker, Linux

ACHIEVEMENTS

- Awarded a silver medal and a certificate of merit by the University for achieving the 2nd rank in B.Tech IT.
- Qualified GATE 2023 examination.
- Invited as speaker at [Google Devfest 2024 Kanpur](#), engaging a diverse audience of developers and tech enthusiasts, fostering collaboration and knowledge sharing.
- Awarded [Proficient badge](#) on GeeksforGeeks for writing 12+ articles, read by lakhs of people [[Link to All Published Articles](#)]
- CoLead of [FOSS United Kanpur](#) Chapter.
- Successfully conducted three day workshop on [Introduction to Machine Learning](#) workshop for OptimumAI.

TECHNICAL SKILLS

- **Programming Languages :** Python, Javascript, HTML/CSS
- **Frameworks & Libraries:** Flask, Streamlit, ReactJs
- **Databases :** SQL
- **Technologies :** Docker, Git, Github
- **Operating Systems :** Linux, Windows
- **ML Libraries:** Pandas, Numpy, Tensorflow, Matplotlib, Scikit-Learn
- **Problem Solving :** Data Structures, Algorithms
- **Developer Tools :** Postman, VS Code

EDUCATION

B.Tech. (IT) - 9.6 CGPA

UIET Kanpur

📅 2019 – 2023

📍 Kanpur, UP

Senior Secondary - 93%

KDMA International

📅 2018

📍 Kanpur, UP

Matriculation - 10 CGPA

KDMA International

📅 2016

📍 Kanpur UP

PROJECTS

[Mental Health Chatbot](#)

- Python | GenAI | LLM | Chroma DB | Streamlit | Gemini
- Contributed to the project "Leveraging LLMs to Understand Global Mental Health in Social Media" with a team of 50+ members.
- Engaged in data collection, preprocessing, and implemented semantic search functionality using a vector database. [App Link](#)
- [DagsHub Repo Link](#)

Multi-Class Text Classification using Naive Bayes

- Python | NLP | Scikit-learn | Naive Bayes
- Developed a multi-class text classification model using Naive Bayes, leveraging TF-IDF features and NLP preprocessing for accurate categorization of text data.
- Evaluated model performance using precision, recall, and confusion matrix; deployed a modular pipeline with clear documentation. [Github](#)

[AI-Driven Temperature Analysis for Better Educational Environments in Tanzania](#)

- [Streamlit](#) | Python | Data Preprocessing | Transformer Model
- Collaborated with a team of 50 members in conducting market research, analysis contributing to the AI model development and Deployment team.
- Conducted RandD on LSTM, Transformers, and XGBoost models to predict classroom temperatures using satellite imagery and environmental data. Also contributed to the development of dashboard using StreamLit [Project Report](#)