Gautam Kumar

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Education

National Institute of Technology Delhi *Aug 2023 - Aug 2027*
Artificial Intelligence and Data Science
- GPA: 7.28/10

Projects

AI Resume Matcher and Ranker
- Developed an NLP-based system to match resumes to job descriptions using BERT embeddings and cosine similarity.
- Enabled ranking and explanation using SHAP; deployed as a Streamlit web app.
- Tools: Python, BERT, Streamlit, Pandas, SHAP

Face Mask Detection using Deep Learning
- Built a real-time face mask detection system using MobileNetV2 and OpenCV.
- Deployed using Streamlit; optimized model for performance.
- Tools: Python, TensorFlow, Keras, OpenCV, Streamlit

Mental Health Prediction from Social Media Text
- Analyzed Reddit posts to classify signs of depression, anxiety using NLP techniques.
- Fine-tuned BERT model for classification and visualized insights.
- Tools: Python, Transformers (Hugging Face), Pandas, Matplotlib

Technologies

Languages: C, C++, Python, Java, JavaScript, HTML, CSS, SQL

Concepts: DSA, ML, DL, NLP, DBMS, OS

Libraries/Frameworks: Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

Positions and Responsibility

Database Coordinator *Delhi, India Jan 2024 –*
Training and Placement (TNP) Cell, NIT Delhi *Present*
- Conducted regular audits of the database to maintain data integrity and compliance with institutional policies.
- Trained a team of 10+ student volunteers on database management best practices.

Achievements   Coding Profiles

- Solved 120+ Data Structures and Algorithms problems on LeetCode ↗.
- Actively improving problem-solving skills through regular coding practice.