Vansh Tiwari

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○ https://github.com/Vanshtiwari15

Profile

Aspiring AI/ML Engineer with strong foundations in Java, Python, Data Structures & Algorithms, and backend development using FastAPI. Experienced in building Machine Learning, Natural Language Processing (NLP), and Deep Learning projects, including LLM-based generative AI applications. Skilled in data preprocessing, model training, and deployment with a focus on optimized and scalable solutions.

Projects

Student Marks Prediction System

- Designed an end-to-end ML pipeline covering **data ingestion, transformation, and predictive modeling** to estimate student academic performance.
- Implemented regression models in Python with Pandas, NumPy, and Scikit-learn, optimizing for accuracy and robustness.
- Automated preprocessing workflows, enabling quick data integration and real-time mark predictions.

BankChurn Prediction System

- Designed and implemented a predictive ML model to analyze customer data and forecast potential bank churn using Python, Pandas, deep learning and Scikit-learn.
- Performed data preprocessing, feature engineering, and model optimization to achieve high accuracy in churn prediction.
- Developed a user-friendly interface for seamless model integration into decision-making workflows.

Education

Bachelor of Technology in Computer Science and Engineering(Airtifical Intelligence and Machine learning)
JECRC University, Jaipur — Expected 2027

Skills

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- **Programming Languages:** Python, Java, SQL
- **Frameworks & Libraries:** TensorFlow, Scikit-learn, FastAPI, NumPy, Pandas, Matplotlib
- **Concepts:** Machine Learning, Natural Language Processing, Deep Learning, Generative AI, Data Structures & Algorithms, Computer Networks, DBMS, Operating system
- **Tools & Platforms:** Git, GitHub, intellij idea, VS Code
- **Backend Development:** FastAPI, REST APIs
- **Other Skills:** Exploratory Data Analysis (EDA), Feature Engineering

Positions of Responsibility

09/2024 – 05/2025 Jaipur, India	**Aashayein the life saviours** Database Administrator Managed and maintained the donor and blood inventory database, ensuring **accuracy, security, and easy accessibility** for event coordination.