Tanmay mathur

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EDUCATION

Natinal Institute of Technology(NIT) **Kurukshetra, India**
B.tech-Production and Industrial Engineering-8.84 CGPA *December 2021 -May 2025*
Sanskar International School **Jodhpur, India**
CBSE-X-93% — CBSE-XII-95% *2019 - 2021*

TECHNICAL SKILLS

Programming Languages: Python, C++,SQL
Libraries and Tools: PowerBI, Sklearn, Pandas, Numpy, MLflow, Git, Docker,DVC,MSExcel,MSPowerpoint
ML Architectures: CNN, NLP, Transformers(BERT, LSTM),Generative AI

WORK EXPERIENCE

Supply Chain Analytics Intern
ISCON Surgicals Ltd., Rajasthan, India *Jan 2024 - Present*

- Collaborated with the logistics team to coordinate inbound and outbound shipments, ensuring timely delivery of materials while minimizing transportation costs. Assisted in analyzing transportation routes and carriers' performance to optimize logistics operations
- Compiled and analyzed supply chain data to generate reports and insights for management review. Utilized tools like Microsoft Power BI to visualize data trends and identify areas for improvement, contributing to data-driven decision-making processes
- Engaged in regular communication and collaboration with teams across departments, including procurement, manufacturing, and distribution, to ensure alignment of supply chain activities with organizational goals

PROJECTS

- **Movie Reccomender System**, GitHub
  - Developed a web application that provides movie recommendations based on user input using machine learning algorithms.Integrated with The Movie Database (TMDb) API to fetch movie data and posters.
  - Utilized Python (Flask) for the backend server to handle user requests and process data. Implemented HTML, CSS, and JavaScript for the frontend user interface to enhance user experience.
  - Applied NLP steps to analyze user preferences and generate movie recommendations
- **Student Score Predictor** Github
  - Utilized SQL for efficient data ingestion from the database. Conducted thorough EDA and engineered relevant features to enhance model performance.
  - Implemented various algorithms including Logistic Regression, Decision Trees, K-Nearest Neighbors, Random Forest, and boosting techniques. Achieved an outstanding R2 score of 88.28% for math score prediction
  - MLOps Implementation:Leveraged MLflow, DVC, and Dagster for seamless model deployment and management
  - Developed a user-friendly web application using Flask framework. Provided stakeholders with easy access to predictive insights
- **PWC Churn Management**, GitHub
  - I delved into the analysis of customer call data . The Power BI dashboard presents a comprehensive overview of call volume, resolution times, and customer satisfaction metrics.
  - The Churn Management Dashboard is designed to provide a holistic view of customer churn metrics.
  - created a Power BI project focused on reporting and visualizing key diversity metrics. This project incorporates data related to workforce demographics, hiring trends, and diversity initiatives.

CERTIFICATIONS

- Data Science and Machine Learning-Udemy Link
- Data Analytics and Visualization Job Simulation-Accenture Link
- Power BI Job Simulation-PWC Link

ACHIEVEMENTS

- **Branch Topper** in !st Year (Merit Scholarship) - Apr-2023
- **2nd Rank** in Quiz of Cultural Fest- Oct-2022
- **5 Star** on HackerRank in SQL- Jun-2023
- **5 Star** on HackerRank in Problem Solving(C++)- Dec-2022

EXTRACURRICULAR ACTIVITIES

- **Executive Design Head** in Innovation Cell(I-Cell) of NIT Kurukshetra - Oct-2022 -Present
- **Team Player** in NIT kkr Cricket Team - Apr-2022 - Present