AAYUSH TRIPATHI

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EDUCATION

Bennett University, Greater Noida | CGPA: 7.5 Sept 2022-Jul 2026
B.Tech. in Computer Science and Engineering

EXPERIENCE

EDF-IN – Data Analyst Intern | Delhi, India Jun 2024-Jul 2024

- Cleaned and prepared a customer database of 1.6 million entries using Python, achieving a 95% reduction in data errors, and analyzed data using statistical methods with visualizations on Power BI dashboards.
- Utilized SSMS and SQL to manage databases, streamline data entry, and extract specific data for reporting.

SKILLS

Database/Server: My SOL, SSMS, MongoDB
Software/Tools: Power BI, Tableau, MS Excel, Power Query
Programming Languages: Python, SQL, R Programming
Technical Skills: Machine Learning, Deep Learning, Data Visualization, Python (NumPy, Pandas, Scikit-learn, Flask), Statistical Analysis, Database Management

PROJECTS

Caress | Flutter | Dart | Google Services | Android Studio | Machine Learning

- A Flutter-based mental health app integrating Firebase, Flask APIs, and ML models, achieving more than 90% accuracy in app-usage stress predictions and reducing response time to stress alerts by 50%. Implemented features for self-assessment, real-time vitals monitoring, and automated notifications to emergency contacts.

StockVision | Python | ARIMA | LSTM | Time Series Analysis

- Developed a stock price forecasting system using ARIMA and LSTM, boosting accuracy by 20% over baseline models. Enhanced data reliability with automated preprocessing and achieved RMSE and MAE reductions of 18% and 22% respectively, showcasing the strength of deep learning in financial forecasting.

PulsePro | Power BI | Power Query

- An advanced Power BI project that transformed HR data into actionable insights, improving workforce planning and talent optimization. Achieved a 25% reduction in employee turnover analysis time and enhanced decision-making efficiency, driving measurable organizational impact.

Flight Price Prediction | Python | Flask | Random Forest | Heroku

- Developed and deployed a Flask-based web app on Heroku to predict flight fares using a Random Forest model, achieving 85%+ accuracy. Implemented automated preprocessing and feature engineering to improve model reliability and provide real-time fare predictions through a user-friendly interface.

ACHIEVEMENT AND CERTIFICATIONS

Chairperson | Data Science Society | Bennett University

- Google Data Analytics Capstone: Complete a Case Study by Google
- Exploratory Data Analysis for Machine Learning by IBM
- Unsupervised Machine Learning by IBM
- Supervised Machine Learning: Classification by IBM
- Supervised Machine Learning: Regression by IBM
- Basics of Exploratory Data Analysis by Great Learning
- Python for Data Analysis by Great Learning