Utkarsh Tripathi *Data Science and Analyst (Fresher)*

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Prayagraj, Uttar Pradesh

LinkedIn

Github

Kaggle

Skills

Programming Languages
- **Python**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Tensorflow
- **SQL**: Writing queries, Joins, Subqueries

Machine Learning
- Regression
- Classification
- Clustering

Soft Skills
- Strong analytical thinking and problem-solving skills
- Effective communication and presentation skills
- Collaborative team player

Data Analysis & Visualization
- Data Cleaning and Wrangling
- Exploratory Data Analysis (EDA)
- Tools: Tableau, Power BI, Excel

Deployment
- **Web Frameworks**: Flask, Streamlit for building and deploying ML models
- **Containerization**: Basic knowledge of Docker (container creation and management)
- **AWS**: Deploying models using EC2, S3, and Lambda

Education

2022/06 – 2025/06 — **Bachelors of Science**
Prayagraj, India — *Maa Saraswati Sita Degree College*
Mathematics major

2024 — **Master's Program in Data Science**
Online — *Simplilearn, in collaboration with IBM*

Certificates

- Python for Data Science
- Data Science with Python
- SQL Certification Course
- Industry Master Class – Data Science

Projects

Sales Insights
- Designed a PowerBI Dashboard to understand AtliQ hardware goods sales trend.
- The Final Dashboard was effective at displaying the sales trend of AtliQ hardware, allowing users to understand the data and make informed decision.
- This dashboard could help in increasing the revenue atleast by 7% in the next Quarter

Zomato Insights
- Completed EDA on their data gave insights to take decisions to increase growth in future.

Employee Turnover Analytics
- **Data Analysis & Visualization**: Used exploratory data analysis and visualization to identify key drivers of turnover like satisfaction levels, evaluation scores, and workload.
- **Clustering**: Applied clustering techniques to group employees who left based on satisfaction and evaluation to uncover behavioral patterns.
- **Machine Learning**: Developed and trained models (Logistic Regression, Random Forest, Gradient Boosting) to predict employee turnover with high accuracy.
- **Risk Classification**: Categorized employees into risk zones (Safe, Low-Risk, Medium-Risk, High-Risk) based on turnover probabilities.

Family Financial Score Web Application
- **Financial Data Input**: Enabled users to input key financial details such as income, savings, expenses, loan payments, and credit card spending.
- **Score Calculation**: Built a scoring model based on savings-to-income, expenses-to-income, loan-to-income ratios, credit card spending, and discretionary spending.
- **Personalized Recommendations**: Provided targeted advice for improving financial stability based on calculated scores.
- **Data Persistence**: Stored financial data and scores in an Excel file for future reference.
- **User Interface**: Created an intuitive, responsive interface using Bootstrap for data input and viewing.
- **Streamlit Integration**: Developed a Streamlit app to visualize stored financial data and simulate changes in spending to improve financial health.

Online Gaming Behavior Classifier
- Developed a predictive model to forecast engagement levels based on specific features.

Extra Curricular Activities

Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - November 2024

BCG Data Science Job Simulation on Forage - November 2024

AWS APAC Solutions Architecture virtual experience program on Forage - December 2024