# Utkarsh Tripathi *Data Science and Analyst (Fresher)*

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📍 Prayagraj, Uttar Pradesh  in LinkedIn

○ Github  kaggle Kaggle

## Skills

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

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

**Machine Learning**
- Regression
- Classification
- Clustering

**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

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

## Education

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|---|---|
| 2022/06 – 2025/06<br>Prayagraj, India | **Bachelors of Science**<br>*Maa Saraswati Sita Degree College*<br>Mathematics major |
| 2024<br>Online | **Master's Program in Data Science**<br>*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

**Exploring Mental Health Data** ⧉
- Designed a 94%-accurate predictive model to classify depression.
- Enabled researchers to uncover key factors influencing mental health.

**Employee Turnover Analytics** ⧉
- Conducted exploratory data analysis and visualization to identify key turnover drivers, such as satisfaction levels, evaluation scores, and workload.
- Applied clustering techniques and predictive models (Logistic Regression, Random Forest, Gradient Boosting) to analyze employee behavior and turnover risks.
- Developed a risk categorization system and helped Portobello Tech reduce turnover by 15% in one month.

**Family Financial Score Web Application** ⧉
- Developed a financial scoring model for Sustain Farmers to analyze family transaction data and provide personalized spending suggestions.
- Created a web app for data input and a Streamlit app for visualizing spending patterns and offering actionable financial advice.
- Enabled families to improve their financial scores by 10% and address financial challenges effectively.

**Online Gaming Behavior Classifier** ⧉
- Built a predictive model to forecast engagement levels using key features.
- Enabled the company to make data-driven decisions for successful game launches.

## 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** ⧉