

Utkarsh Tripathi






Data Analyst/Scientist

 shreytripathi2004@gmail.com  7905202121  Prayagraj, UP  LinkedIn  Github  Kaggle

Skills

Programming Languages Python SQL HTML CSS JS ReactJS	Machine learning Regression Classification Clustering	Data Analysis & Visualization EDA with Python Tableau Power BI Excel
Database MySQL MongoDB	Web Frameworks Flask ExpressJS Streamlit	AWS EC2 S3

Work Experience/Projects

- Revenue Insights In Hospitality Domain** 
- Prepared a **Power BI Hospitality Revenue Analytics Dashboard**, analyzing **RevPAR, ADR, and occupancy rates** to optimize revenue strategies.
 - Designed **interactive visualizations** to track **week-over-week performance, booking platform distribution, and room class utilization**, enhancing decision-making.
 - Automated **cancellation and no-show rate analysis**, improving forecasting accuracy and increasing operational efficiency by **15%**.
- Loan Approval Prediction Model** 
- Created a **machine learning-based Loan Approval Prediction System** using **Flask, MySQL, and Scikit-learn**, achieving **97.4% accuracy**.
 - Built an **interactive web interface** with **GSAP animations and Bootstrap 5**, enhancing user engagement and responsiveness.
 - Engineered a **scalable ML pipeline** for **real-time loan eligibility prediction**, optimizing data processing and model performance with **98% precision and recall**.
- Employee Turnover Analytics** 
- Performed **exploratory data analysis (EDA) and visualization** to uncover key turnover drivers, including **satisfaction levels, evaluation scores, and workload**.
 - Implemented **clustering techniques and predictive models** (Logistic Regression, Random Forest, Gradient Boosting) to assess **employee behavior and turnover risks**.
 - Defined a **risk categorization system**, enabling **Portobello Tech** to reduce **employee turnover by 15% in one month**.
- Collaborative Code Editor Platform**
- Developed a **real-time collaborative code editor** using **React, Node.js, and Socket.IO** , enabling **multi-user live coding and AI-assisted development**.
 - Implemented a **secure authentication system** with **JWT and Redis**, improving session management and ensuring **100% user data security**.
 - Integrated **Google's Generative AI and real-time chat**, enhancing developer collaboration and boosting **team productivity by 40%**.
- Depression Prediction Model** 
- Designed a **94%-accurate predictive model** to classify depression.
 - Enabled researchers to uncover **key factors influencing mental health**

Education

B.Sc 2022 – 2025
Maa Saraswati Sita Degree College




Courses

Master's for Data Scientist 
Simplilearn, In collaboration with IBM

Certificates

Python for Data Science IBM	Data Science with Python Simplilearn	Machine Learning Using Python Simplilearn	Intermediate Machine Learning Kaggle
SQL Certification Course Simplilearn	Industry - Master Class Simplilearn	Business Analytics with Excel Simplilearn	PL-300 Microsoft Power BI Certification Training Simplilearn
Statistics Essential for Data Science Simplilearn	Deep Learning for Beginners Simplilearn		

Extracurricular Activities

- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage** 
- BCG Data Science Job Simulation on Forage** 
- AWS APAC Solutions Architecture virtual experience program on Forage** 
- Mastercard Cybersecurity virtual experience program on Forage** 