

Utkarsh Tripathi

Data Analytics

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Profile

Data-driven professional with a strong foundation in Python, SQL, and machine learning. Proven ability to analyze data, build predictive models, and deliver actionable insights through projects like a 97.4%-accurate loan approval model and a Power BI dashboard that improved forecasting by 10%. Seeking to leverage skills in a Data Analyst or Data Scientist role

Professional Experience

- 02/2025 – present **Syncella Enterprises Pvt. Ltd.**, *Backend Developer*
- Developed Python and Flask-based APIs to streamline data access and support scalable application functionality.
 - Integrated MySQL databases for real-time reporting and collaborated with cross-functional teams to ensure efficient backend performance.

Projects

- Revenue Insights In Hospitality Domain**, *PowerBI Dashboard*
Developed an interactive Power BI dashboard analyzing RevPAR, ADR, and occupancy, automating cancellation insights to boost forecasting accuracy by 15%.
- Loan Approval Prediction Model**, *Python Development*
Built a 97.4%-accurate ML model using Python, Scikit-learn, and MySQL, optimizing data pipelines for 98% precision in loan approvals.
- Employee Turnover Analytics**, *Jupyter Notebook*
Performed EDA in Jupyter Notebook and built ML models, reducing attrition by 15% via a risk categorization system.
- Depression Prediction Model**, *Kaggle Competition*
Built a 94%-accurate ML model to classify depression and identify key mental health factors. Assisted researchers in understanding influences on mental well-being.

Skills

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| Programming Languages Python SQL JavaScript | Web Technologies HTML CSS ReactJS NextJS | Data Visualization Power BI Tableau Excel |
| Databases MySQL PostgreSQL MongoDB | Machine Learning & AI: Regression Classification Clustering LangChain | Frameworks Flask ExpressJS |

Certificates

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| Python for Data Science: IBM | Data Science with Python: Simplilearn |
| Machine Learning Using Python: Simplilearn | SQL Certification Course: Simplilearn |
| PL-300 Microsoft Power BI Certification Training: Simplilearn | Deep Learning for Beginners: Simplilearn |

Education

Maa Saraswati Sita Degree College, B.Sc
06/2022 – 06/2025

Courses

Master's for Data Scientist, In collaboration with IBM, Simplilearn
09/2024 – present | Online

Achievements & Extra Curriculars

- 03/2025 **FlutterFlow Innovators Hackathon 2025**
IIIT Allahabad Achieved 4th Rank in Hackthon by presenting out Female Security Application SheVior
- 03/2025 **Playwell, Cogitation Summit**
IIT Roorkee Secured 1st Rank in this competion at Cognizance Tech Fest by presenting mental health gamification solution.
- 11/2024 **BCG Data Science Job Simulation**
Forage Performed customer churn analysis using Python, achieving 85% accuracy with random forest, and delivered actionable insights via visualizations and executive summary.
- 11/2024 **Tata Data Visualisation: Empowering Business with Effective Insights**
Forage Created data visualizations to aid executive decisions and prepared questions for client leadership meetings.