

Utkarsh Tripathi


Artificial Intelligence/Data Science/Machine Learning

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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


Syncella Enterprises Pvt. Ltd, Backend Developer  02/2025 – present

- 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

Loan Approval Prediction Model, Python Development  02/2025


Built a 97.4%-accurate **ML model** using **Python**, **Scikit-learn**, and **MySQL**, optimizing data pipelines for 98% precision in loan approvals.

Depression Prediction Model, Kaggle Competition  01/2025

Built a 94%-accurate **ML model** to **classify** depression and identify key mental health factors. Assisted researchers in understanding influences on mental well-being.

Employee Turnover Analytics, Jupyter Notebook  12/2024

Performed **EDA** in Jupyter Notebook and built **ML models**, reducing attrition by 15% via a risk categorization system.

Agent X, AI Agent  04/2025

A Node.js-based tool that lets you post tweets just by telling it what to say. Built with **JavaScript**, hosted on an **MCP server**, and powered by **Gemini API** and **X Developer APIs** for seamless voice-to-tweet automation.

Skills

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

Python for Data Science:  IBM

SQL Certification Course:  Simplilearn

Data Science with Python:  Simplilearn

Industry Master Class - Data Science:  Simplilearn

Machine Learning Using Python:  Simplilearn


Deep Learning for Beginners:  Simplilearn

PL-300 Microsoft Power BI Certification Training:  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

FlutterFlow Innovators Hackathon 2025  03/2025 | IIIT Allahabad

Achieved 4th Rank in Hackthon by presenting our Female Security Application SheVior

Playwell, Cogitation Summit  03/2025 | IIT Roorkee

Secured 1st Rank in this competition at Cognizance Tech Fest by presenting mental health gamification solution.

BCG Data Science Job Simulation  11/2024 | Forage

Performed customer churn analysis using Python, achieving 85% accuracy with random forest, and delivered actionable insights via visualizations and executive summary.

Tata Data Visualisation: Empowering Business with Effective Insights  11/2024 | Forage

Created data visualizations to aid executive decisions and prepared questions for client leadership meetings.