Devansh Tyagi

Data Scientist — Machine Learning — Python — SQL — Power BI — Streamlit

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PROFESSIONAL SUMMARY

Data Scientist with end-to-end experience in predictive modeling, machine learning, and dashboard deployment. Adept at translating data into business insights using Python, SQL, and Power BI. Delivered 84% model accuracy in healthcare prediction and <12% MAPE in sales forecasting. Deployed 3+ Streamlit apps showcasing real-time analytics and impact-focused solutions.

KEY HIGHLIGHTS

- LeetCode Rating: **1986**
- Deployed **3+ end-to-end ML apps** on Streamlit Cloud
- Strong foundation in **EDA, Predictive Modeling, and Data Visualization**

TECHNICAL SKILLS

- **Programming & Scripting:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras), SQL, Excel
- **Machine Learning:** Regression, Classification, Time Series, CNNs, NLP, Model Optimization
- **Data Visualization:** Power BI, Tableau, Streamlit, Matplotlib, Seaborn
- **Databases & Tools:** Advanced SQL, SQLite, DBMS, Git, Jupyter, VS Code
- **Statistical Analysis:** Hypothesis Testing, Feature Engineering, A/B Testing, Statistical Inference

WORK EXPERIENCE

GAO Tek Inc   Aug 2025 – Oct 2025
Data Scientist Intern
- Engineered automated Python scripts to clean and preprocess large Excel datasets, improving data consistency by 100%.
- Enhanced workflow efficiency by streamlining data pipelines with **Pandas** and Excel automation.
- Collaborated with the analytics team to standardize reporting processes and boost analysis accuracy.

Labmentix   June 2025 – Aug 2025
AI Intern
- Developed and deployed multiple machine learning models for diverse use cases using **Scikit-learn** and **NumPy**.
- Built interactive AI demos with **Streamlit**, enabling non-technical stakeholders to visualize model outputs.
- Improved model performance by **15%** through advanced feature engineering and hyperparameter tuning.

Coding Ninjas   Sep 2023 – Dec 2023
Teaching Assistant
- Mentored over **100+ students** in Python and DSA, increasing assignment completion rate by **50%**.
- Conducted 15+ code review sessions that enhanced student debugging accuracy by **30%**.

PROJECTS

Heart Attack Risk & Health Status Predictor   Live Demo | GitHub
- Developed and deployed a **Random Forest** model achieving **84% accuracy** for heart attack risk assessment.
- Enabled early risk detection by integrating health metrics like blood pressure, sugar, and cholesterol.
- Deployed via **Streamlit Cloud** for real-time, user-friendly healthcare prediction.

Amazon Sales Time Series Prediction   Live Demo | GitHub
- Built an end-to-end forecasting system using **ARIMA** and **Prophet** models, achieving <**12% MAPE**.
- Performed data cleaning, missing value imputation, and feature generation (lag, rolling windows).
- Developed a Streamlit-based interactive dashboard supporting **demand forecasting and business planning**.

Distracted Driver Detection (Computer Vision)   GitHub
- Trained a **CNN-based** image classifier to detect driver distractions across multiple categories.
- Applied **data augmentation** and architecture optimization in TensorFlow/Keras to maximize accuracy.
- Showcased potential for real-world application in **automotive safety and driver monitoring**.

EDUCATION

Madan Mohan Malaviya University Of Technology   Gorakhpur, UP
B.Tech in Electrical Engineering; GPA: 7.89/10.0   Dec 2021 – May 2025
Jawahar Navodaya Vidyalaya   Saharanpur, UP
Secondary Education; GPA: 9.36/10.0   Aug 2019 – Mar 2020

CERTIFICATIONS

- Coding Ninjas Internship Certificate
- Data Science and Machine Learning Course