

PRATIK JAGTAP

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PROFESSIONAL SUMMARY

Machine Learning / AI Engineer with hands-on experience designing, training, and deploying ML solutions across various projects. Currently enrolled in an industry-focused AI Engineer program alongside pursuing an MCA degree.

EXPERIENCE

Machine Learning Intern | Future Interns (Remote)

Dec 2025 – Jan 2026

- Developed end-to-end machine learning pipelines encompassing data preprocessing, feature engineering, model training, and evaluation to solve business problems.
- Built Random Forest classification and Prophet-based time-series forecasting models, improving forecast accuracy by ~15–20% on historical data.
- Created dashboards and analytical reports that reduced manual analysis effort by ~25–30% for stakeholders.

SKILLS

AI&ML: Regression, Classification, Clustering, Time-Series Forecasting, NLP, Predictive Modeling, EDA, Deep Learning

Frameworks & Libraries: TensorFlow, Keras, PyTorch, scikit-learn

Programming: Python, SQL, Pandas, NumPy, Data Preprocessing, Feature Engineering, ETL

Visualization: Power BI, Matplotlib, Seaborn

Deployment: Flask (REST APIs), FastAPI, Streamlit, Docker, AWS EC2, Render

Tools: MySQL, Jupyter Notebook / JupyterLab, Git, GitHub

EDUCATION

Artificial Intelligence Engineer Program (*Ongoing*)

Aug 2025 – Feb 2026

DataMites Global Institute, Pune

Master of Computer Applications (MCA) (*Final Semester*)

Jul 2024 – Apr 2026

Sinhgad Institute of Management, Pune

Bachelor of Computer Applications (BCA)

Sep 2021 – Jun 2024

M. S. Kakade College, Someshwarnagar, Pune

PROJECTS

NLP-Based Telegram Chatbot

Dec 2025 – Jan 2026

[Python | NLP | FastAPI | Telegram Bot API] | [\[GITHUB\]](#) [\[VIDEO DEMO\]](#)

- Built and deployed an intent-based NLP chatbot using FastAPI and scikit-learn with TF-IDF-based intent classification for real-time responses.
- Integrated the chatbot with **Telegram** via webhooks and deployed it on **Render** with a scalable, production-ready setup.

AI-Driven Sales Forecasting System

Dec 2025

[Python | Prophet | Pandas | Power BI] | [\[GITHUB\]](#) [\[VIDEO DEMO\]](#)

- Engineered time-series forecasting pipeline processing **36+** months of historical sales data, boosting prediction accuracy by **18–22%** through trend decomposition and hyperparameter tuning.
- Delivered an interactive Power BI dashboard with actual vs. forecast visualizations and KPI tracking, cutting manual reporting time by **30%**.

Attrition Prediction Engine

Dec 2025

[Python | scikit-learn | Streamlit] | [\[GITHUB\]](#) [\[LIVE DEMO\]](#)

- Developed and evaluated a supervised ML classification model, achieving 83% recall for identifying high-risk employee attrition cases through feature scaling and threshold optimization.
- Deployed a Streamlit application providing real-time churn predictions and retention insights for HR teams.

CERTIFICATIONS

Ultimate Job-Ready Data Science Certification | CodeWithHarry | [\[LINK\]](#)

Sep 2025 – Dec 2025

Data Analysis Course | Simplilearn | [\[LINK\]](#)

May 2025 – Jul 2025

Python Programming Certification | HackerRank | [\[LINK\]](#)

Jan 2025 – Feb 2025

ACHIEVEMENTS

- Secured **1st** Place in a 3D Neural Network Model Design Competition organized by Tech Drill Neo Vision.