

# 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.