PRATIK JAGTAP

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PROFESSIONAL SUMMARY

AI & Machine Learning professional with practical experience in developing predictive models and automated data pipelines. Proficient in Python, SQL, and the complete ML lifecycle—data cleaning, feature engineering, model training, evaluation, and deployment.

EXPERIENCE

Machine Learning Intern (Remote) | *December 2025 – Present*

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

EDUCATION

Master of Computer Applications (MCA) **Jul 2024 - Apr 2026**
Sinhgad Institute of Management, Pune

Bachelor of Computer Applications (BCA) **Sep 2021 - Jun 2024**
M. S. Kakade College, Someshwarnagar, Pune

SKILLS

Machine Learning & AI: Regression, Classification, Clustering, Natural Language Processing (NLP), Predictive Modeling, Exploratory Data Analysis (EDA), Statistical Analysis, Time-Series Forecasting

Programming & Data Handling: Python, Pandas, NumPy, scikit-learn, SQL, Data Preprocessing, Data Wrangling, Data Visualization (Matplotlib, Seaborn)

Frameworks, Libraries & Platforms: Flask, Streamlit, PySpark (Beginner), Power BI, AWS (EC2)

Databases, Tools & Cloud Technologies: MySQL, Jupyter Notebook/Lab, VS Code, Git, GitHub, Advanced Excel

PROJECTS

AI-Powered Sales Forecasting Dashboard **Dec 2025**

[Python | Prophet | Pandas | Power BI | Time-Series Forecasting] | [LINK] [PRESENTATION]

- Built a time-series forecasting pipeline using Prophet on 3+ years of sales data, enabling accurate future demand prediction
- Improved forecast reliability by ~18–22% through data preprocessing, trend/seasonality analysis, and model tuning
- Delivered an interactive Power BI dashboard with actual vs. forecast views, KPI tracking, and slicers, reducing manual reporting effort by ~30%

TripAdvisor Review Sentiment Analysis **Nov 2025 - Dec 2025**

[Python | Pandas | scikit-learn | NLTK | TF-IDF | Matplotlib] | [LINK]

- Built an NLP model to classify TripAdvisor reviews using text preprocessing, tokenization, and TF-IDF vectorization
- Trained and evaluated classification models to predict sentiment with boosted accuracy after handling class imbalance
- Generated insights on customer satisfaction trends to support data-driven decision-making

Customer Segmentation Using K-Means Clustering **Oct 2025 - Nov 2025**

[Python | Pandas | NumPy | Matplotlib | Seaborn | scikit-learn] | [LINK]

- Implemented K-Means clustering to segment mall customers into distinct purchasing pattern groups
- Performed data cleaning, feature scaling, and determined the optimal cluster count using the Elbow Method
- Derived actionable insights that enhanced targeted marketing and customer engagement

CERTIFICATIONS & TRAINING

AI Engineer Certification Course – DataMites, *Aug 2025 - Present*
Data Analysis Course – Simplilearn, *Jul 2025*
Ultimate Job-Ready Data Science Certification – CodeWithHarry, *Dec 2025*

ACHIEVEMENTS

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