

PRATIK JAGTAP

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PROFESSIONAL SUMMARY

AI & ML Enthusiast with hands-on experience in Python, SQL, and machine learning. Skilled in data cleaning, feature engineering, model training, evaluation, and deployment. Experienced in building dashboards and predictive models using real datasets. Able to work with structured data, create CI/CD pipelines, and generate insights that support decision-making.

EDUCATION

Master of Computer Applications (MCA) Sinhgad Institute of Management, Pune	July 2024 - Apr 2026
Bachelor of Computer Applications (BCA) M. S. Kakade College, Someshwarnagar, Pune	Sep 2021 - Jun 2024
Higher Secondary Certificate (12th Standard) M. S. Kakade College, Someshwarnagar, Pune	Jun 2020 - May 2021

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

PROJECT EXPERIENCE

Property Sale Price Prediction System [Python Scikit-learn EDA Flask Render] [LINK] <ul style="list-style-type: none">Built a machine learning model using Linear Regression to estimate property prices from over 10,000 recordsPerformed comprehensive preprocessing (outliers, missing values) and EDA to improve model qualityDeployed the model as a Flask REST API on Render, enabling real-time predictions with sub-second latencyAchieved an R^2 value of 0.81 — reducing prediction error by 20% compared to the baseline model	Oct 2025 - Nov 2025
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Customer Segmentation Using K-Means Clustering [Python Pandas NumPy Matplotlib Seaborn Scikit-learn] [LINK] <ul style="list-style-type: none">Implemented K-Means clustering to segment mall customers into distinct behavioural groupsPerformed data cleaning, feature scaling, and determined the optimal cluster count using the Elbow MethodDerived actionable insights that improved targeted marketing and customer engagementHelped identify high-value customer segments, enabling personalised marketing and revenue growth	Oct 2025 - Nov 2025
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TripAdvisor Review Sentiment Analysis [Python Pandas Scikit-Learn NLTK TF-IDF Matplotlib] [LINK] <ul style="list-style-type: none">Built an NLP model to classify TripAdvisor reviews using text preprocessing, tokenization, and TF-IDF vectorizationTrained and evaluated classification models to predict sentiment with improved accuracy after handling class imbalanceGenerated insights on customer satisfaction trends to support data-driven decision-making	Nov 2025 - Dec 2025
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CERTIFICATIONS & TRAINING

Data Analysis Course – Simplilearn, Jul 2025
Power BI for Beginners – Simplilearn, Jul 2025
Ultimate Job-Ready Data Science Certification – CodeWithHarry, Dec 2025
AI Engineer Certification Course – DataMites, May 2026

ACHIEVEMENTS

- Solved **100+** Python challenges on Hacker Rank, focused on clean, maintainable code.
- Secured **1st** Place in the 3D Neural Network Model Design Competition organized by Tech Drill Neo Vision.