

Pratik Kaple

Data Scientist | Data Analyst | Machine Learning Engineer

+91 8446464168

prattikkaple8@gmail.com

<https://www.linkedin.com/in/pratik-kaple-7a690a288/>

Jalgaon (jamod), Maharashtra <https://github.com/prattikkaple-17>

Summary

B.Sc. Computer Science graduate specializing in Artificial Intelligence and Machine Learning with hands-on experience gained through academic projects and a Data Analytics internship. Passionate about solving real-world business problems using data and analytical thinking. Seeking an entry-level opportunity as a Data Scientist or Data Analyst to contribute, learn from industry professionals, and build impactful data-driven solutions.

Skills

- **Python**
- **Data Science** : Numpy, Pandas, Matplotlib, Scikit-Learn
- **Data Analytics** : Data Cleaning, Data Preprocessing, Exploratory Data Analysis (EDA), Data Wrangling
- **Database** : MySQL, SQL, Data Extraction, Query Optimization
- **Machine Learning** : Supervised Learning, Unsupervised Learning, Feature Engineering, Model Evaluation, Hyperparameter Tuning
- **Backend** : Flask (Routing, REST APIs, Template Rendering)
- **Version Control** : Git & GitHub
- **Tools**: MS Excel (Advanced), Power BI, Jupyter Notebook, VS Code, MS Word

Experience

AI & Data Analytics Intern - InAmigos Foundation | Remote

June 2026 - July 2026

- Conducted data research and validation to build structured datasets using Excel and Google Sheets.
- Analyzed organizational websites and prepared reports with actionable improvement recommendations.
- Researched AI-driven solutions to enhance NGO outreach, engagement, and digital initiatives.

Projects

Machine Learning-Based Customer Churn Prediction

January 2026

- Built a customer churn prediction model using Python and Scikit-learn, performing EDA and data preprocessing.
- Achieved 77% accuracy and 71% recall using a Random Forest Classifier.

AI-Powered Teaching Assistant Using RAG and LLMs

January 2026

- Built a RAG-based AI teaching assistant using Python, Whisper, and Ollama to convert lecture videos into searchable text.
- Implemented embeddings and cosine similarity search to retrieve relevant content and answer user queries.

Credit Card Fraud Detection Using Classification Algorithms

March 2026

- Developed a credit card fraud detection model using Scikit-learn, handling a highly imbalanced dataset of 84K+ transactions
- Evaluated multiple classification algorithms and selected KNN as the final model based on Recall and ROC-AUC score.

Education

- | | |
|---|-------------------|
| • BSc CS (AI,ML & VR) - Sandip University, Nashik | CGPA: 8.75 2026 |
| • HSC - The New Era jr College, jalgaon Jamod | 54.33% 2023 |
| • SSC - Janta Vidyalyaya, Jamod | 90.60% 2021 |

Certifications

- Fundamental of Artificial Intelligence - NPTEL
- Python Bootcamp - Code with Harry
- Data Science - Code with Harry
- Model Deployment with Flask - Udemy

Accomplishments

- Achieved **Elite Certification in E-Business from NPTEL (SWAYAM)** by securing high performance in a nationally conducted, proctored examination.
- Participated in the **NASA Space Apps Challenge, an international hackathon** focused on solving real-world problems using data, technology, and innovation.
- Completed a **7-day Soft Skills and Professional Development training** program conducted by Swadesh Foundation, focusing on communication, teamwork, and workplace readiness.