

Samarth Kadam

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SUMMARY

Machine Learning and Data Science undergraduate with hands-on experience in Python-based data analysis and model development. Worked with Scikit-learn to build and evaluate classification and NLP models, and used TensorFlow and TensorFlow Lite for computer vision model integration. Familiar with data preprocessing, exploratory data analysis (EDA), feature extraction, and model evaluation techniques.

EDUCATION

Vellore Institute of Technology, Bhopal <i>B.Tech in Computer Science and Engineering</i> Current CGPA: 8.24 / 10	Bhopal, MP Aug 2023 – Present
Rao Junior College of Science <i>Class XII (SSC Board)</i>	Mumbai, MH 2023
Holy Angels' High School <i>Class X (SSC Board)</i>	Mumbai, MH 2021

TECHNICAL SKILLS

- Programming Languages:** Python, C++, Java, SQL
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Exploratory Data Analysis (EDA)
- Machine Learning:** Classification, Regression, NLP, Naive Bayes, Model Evaluation
- Computer Vision & Deep Learning:** TensorFlow, TensorFlow Lite, OpenCV, CNN (basic exposure)
- Tools & Platforms:** Git, GitHub, Flutter (ML integration)

PROJECTS

Spam Email Filtering System <i>Machine Learning & NLP Project</i> Built an NLP-based spam classification system using TF-IDF and Naive Bayes , trained on 5,000+ labeled emails , achieving 93–95% accuracy with reduced false positives through systematic preprocessing and evaluation. Source Code & Documentation: github.com/Samarth229/spam-email-filtering	Apr 2025 – May 2025 Python, Scikit-learn
SkinSync – Skin Type Detection App <i>Computer Vision & Applied ML</i> Developed a CNN-based mobile application for automated skin type detection, trained on 1,000+ facial images , delivering real-time predictions with <300 ms on-device inference time using TensorFlow Lite. Source Code & Documentation: github.com/Samarth229/skinsync	Mar 2025 – Apr 2025 Flutter, Python, TensorFlow Lite
Banking Data Insights & Visualization <i>Data Analysis Project</i> Performed exploratory data analysis on 10,000+ banking transaction records , applying data cleaning, aggregation, and visualization to identify spending patterns, frequency trends, and category-wise behavioral insights. Source Code & Documentation: github.com/Samarth229/banking-data-insights	Dec 2025 Python, Pandas, Matplotlib

CERTIFICATIONS

- Introduction to Machine Learning – NPTEL (IIT Madras)
- Data Science Virtual Experience Program – Finlatics
- Fundamentals of AI and ML – VIT Yarthi
- Python Programming – VIT Yarthi