

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
B.Tech in Computer Science and Engineering
Current CGPA: 8.24 / 10

Bhopal, MP
Aug 2023 – Present

Rao Junior College of Science
Class XII (SSC Board)

Mumbai, MH
2023

Holy Angels' High School
Class X (SSC Board)

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
Machine Learning & NLP Project

Apr 2025 – May 2025
Python, Scikit-learn

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

SkinSync – Skin Type Detection App
Computer Vision & Applied ML

Mar 2025 – Apr 2025
Flutter, Python, TensorFlow Lite

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

Banking Data Insights & Visualization
Data Analysis Project

Dec 2025
Python, Pandas, Matplotlib

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

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