SAMIT FERNANDES

📍 Mumbai, India

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Summary

Computer engineer skilled in Python, SQL, and data analytics, passionate about transforming raw data into actionable business insights. Experienced in predictive modeling, data visualization, and decision support systems to drive strategic growth.

Technical Skills

Programming Skills: Python, R, SQL, JavaScript, HTML, CSS, PHP
Frameworks/Libraries: Streamlit, React.JS, TailwindCSS, Node.JS, Flask
Tools: PowerBI, Tableau, Scikit-learn, TensorFlow, OpenCV, Matplotlib, Seaborn, MySQL, MongoDB
Coursework: Big Data Analysis, Database Management System, Data Warehousing and Mining, Applied Data Science, AI and ML

Projects

Deepfake Detection | *Deep Learning, React.js* 🔗   **May 2024**
- Engineered a deepfake detection model leveraging a pre-trained ResNet-Inception V1 architecture, achieving 93.60% accuracy in classifying real vs. manipulated media.
- Designed a ReactJS-based web platform enabling real-time analysis of uploaded media.

Sentiment Analysis for Marathi Language | *NLP, Streamlit* 🔗   **October 2024**
- Constructed a sentiment analysis model for Marathi text classification (positive, negative, neutral) with 70% accuracy using the Naive Bayes algorithm.
- Developed a user-friendly Streamlit web app for real-time sentiment analysis of Marathi text.

Sales Analytics Project | *Big Data, Streamlit* 🔗   **December 2024**
- Developed a predictive analytics model using Decision Tree Regressor to forecast sales trends, achieving 90% accuracy.
- Designed an interactive Streamlit dashboard for real-time business intelligence, enabling data-driven revenue optimization.

Movie Recommendation System | *ML, Streamlit* 🔗   **July 2024**
- Designed a personalized movie recommendation engine utilizing Singular Value Decomposition (SVD), offering tailored suggestions from a database of over 5000+ movies.
- Streamlined user interaction by deploying the system as a lightweight Streamlit web app.

Email Spam Filter | *ML, NLP* 🔗   **December 2022**
- Built a robust spam email detection model using Support Vector Machine (SVM), achieving 98% accuracy in classification tasks.
- Integrated the model into a Flask-based web app for real-time email filtering.

Education

University of Mumbai   **Dec. 2021 – May 2025**
Bachelor of Engineering in Computer Engineering   *Mumbai, Maharashtra*

St. Francis Institute of Technology   **Dec. 2023 – May 2025**
Minors in Artificial Intelligence and Machine Learning   *Mumbai, Maharashtra*

Achievements

- **Hackathon :** Developed a data-driven solution at **MegaHack 4.0**, utilizing predictive analytics to optimize business operations, securing a Top 10 rank.

- **Competition :** Completed certificate in Technical Paper Presentation on the topic "College Finding Solutions for Graduates Pursuing Masters Abroad", at **InkQuest** by ISTE-St. Francis Institute of Technology (SFIT),