# Samit Fernandes

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## SUMMARY

Aspiring AI Engineer with a strong foundation in Python, machine learning, and natural language processing. Experienced in real-world AI projects involving Hugging Face, scikit-learn, and Large Language Models. Passionate about deploying AI-powered solutions and working in collaborative environments.

## EDUCATION

**St. Francis Institute of Technology, University of Mumbai**                                                          **Mumbai, Maharashtra**
*B.E. in Computer Engineering with Minor in AI/ML*                                                                    *December 2021 - May 2025*
**CGPA:** 7.9

## SKILLS

**Programming:** Python, SQL, JavaScript
**Libraries:** Hugging Face Transformers, Scikit-learn, Pandas, NumPy
**Frameworks:** LangChain, TensorFlow, Keras, Gradio, Streamlit
**Tools:** OpenRouter, Hugging Face Hub
**Soft Skills:** Analytical Thinking, Independent Problem Solving, Research-Oriented, Technical Communication

## PROJECTS

**ResumAI – AI-Powered Resume Assistant**                                                                                          **Jun 2025**
**Tools: Gradio, Python, Hugging Face, OpenRouter**
- Built an AI-powered resume analysis tool using DeepSeek LLM via OpenRouter.
- Designed prompt-based evaluations and deployed via Gradio for real-time feedback in an interactive UI.

**Legal Case Summarization using NLP**                                                                                             **Jan 2025**
**Tools: Hugging Face, Python, JavaScript**
- Built a hybrid summarizer using BERT and BART for 7,100+ Indian Supreme Court cases.
- Achieved high summary precision using ROUGE-1 (0.4674) and BERTScore (0.8660).

**Sentiment Analysis for Regional Language**                                                                                       **Oct 2024**
**Tools: Streamlit, Python, Scikit Learn**
- Trained a Naive Bayes classifier on labeled Marathi sentiment dataset achieving 80% accuracy.
- Deployed the model in a user-friendly Streamlit interface for real-time sentiment prediction.

**Deepfake Detection**                                                                                                             **May 2024**
**Tools: TensorFlow, Python, JavaScript**
- Developed a ResNet-Inception V1-based deepfake detection model achieving 93.6% accuracy.
- Handled data preprocessing, model training, and real-time prediction pipeline.
- Built a ReactJS frontend for interactive deepfake analysis using uploaded media files.

## ACADEMIC ACHIEVEMENTS

- Top 10 Finalist – MegaHack 4.0 Hackathon, Presented a Deepfake Detection model and ranked Top 10 for innovation and real-world impact.
- Technical Paper Presenter – InkQuest, ISTE @ SFIT, Presented a paper titled "College Finding Solutions for Graduates Pursuing Masters Abroad", proposing an intelligent match-making system for student–university fit.