ANANTA VERMA

Anantaverma20@gmail.com |+1 (415) 605-2729 | San Francisco, USA | Portfolio | GitHub | LinkedIn

---

PROFESSIONAL SUMMARY

Detail-oriented and driven **Data Scientist** with strong foundations in **Python, machine learning**, and **data engineering**. Skilled in building and deploying predictive models, developing AI solutions, and working with large, real-world datasets. Proficient in **SQL**, **Pandas, Scikit-learn, PyTorch**, and data visualization tools such as **Tableau** and **Power BI**. Experienced in full ML lifecycle, from **data wrangling** and feature engineering to **model training, evaluation,** and communication of results. Passionate about leveraging AI and ML to drive impactful decisions and create intelligent systems. Familiar with ML pipelines, MLOps concepts, and dashboard integration through academic and published research projects.

EXPERIENCE

247Ericpointcom via Virtual Internships   **Feb 2024 – May 2024**
Data Science Intern
- Implemented ML models for fraud detection and customer segmentation, improving transaction security and enabling targeted marketing strategies.

Meghalaya Cements Limited   **Jan 2023 – May 2023**
Intern
- Developed ML model to predict cement compressive strength, reducing testing time and optimizing material selection for sustainable construction.

EDUCATION

University of the Pacific, San Francisco   **Aug 2023 – May 2025**
MS (Data Science)   *GPA 3.76*
Symbiosis Institute of Technology, Pune   **Jul 2019 – May 2023**
B. Tech (Mechanical Engineering) – Major, Minor in Data Science   *GPA 7.92*

PROJECTS

Weather Automation ELT Pipeline
- Automated an **ELT pipeline** using Python, APIs, and Pandas to fetch and clean hourly weather data in real time, enabling dynamic real-time dashboard visualizations on **Streamlit** for instant decision-making.

AI Travel Agent
- Built an AI-powered travel assistant using **Ollama's Llama3 model, OpenAI's API, Google TTS and lumaAI API**. Multimodal tools to generate personalized itineraries, visuals, and voiceovers, enhancing user experience through automation.

Veterans Affairs Benefits Portal
- Built a **FastAPI**-based web portal with intelligent keyword search to help veterans easily access benefits, using **web crawling**, **Plotly**, and JSON processing.

Profit Analysis for Pashion Footwear
- Headed a team of 5 in evaluating Pashion Footwear's SKU performance using Shopify data, revealing high-margin items and underperformers. Recognized for consistently putting in extra effort to exceed project goals.

TECHNICAL SKILLS

- **Programming languages:** Python, R, SQL, and HTML/CSS
- **Concepts:** Deep Learning, Business Analytics, Natural Language Processing (NLP), Data Mining, Neural Networks, Research, Large Language Models (LLMs), Database, data collection, SQL, Clustering, Regression, RAG, AI Agents, Data Visualization, creating dashboards, Statistics, data pipelines
- **Technologies:** Keras, Matplotlib, Plotly, Numpy, Excel, Pandas, Scikit Learn, GitHub, PyTorch, Seaborn, Power BI, Tableau, TensorFlow, NLTK, Streamlit, fastAPI, Docker, MySQL, Langchain, Flask, and AWS

PUBLICATION

Published *"Machine Learning Models for Early Detection of Cardiac Arrest Risk Factors"* in IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (ICCECSBH 2025)
- Achieved **98.17% accuracy with Random Forest**, outperforming KNN, Logistic Regression, and XGBoost models.