

Professional Summary

Data Scientist with expertise in building scalable machine learning solutions for real-world applications. Experienced in deep learning, recommendation systems, NLP, and optimization techniques. Passionate about leveraging data-driven insights to enhance customer experience and business decision-making. Skilled in Python, TensorFlow and SQL, with a strong problem-solving mindset.

Skills

- **Machine Learning & Deep Learning:** Supervised & Unsupervised Learning, Optimization, CNN, NLP
- **Big Data & Cloud Technologies:** Spark, AWS, Data Pipeline Automation
- **Programming & Tools:** Python, SQL, TensorFlow, PyTorch, Docker
- **Applied Research:** Recommendation Systems, Ads Optimization, Agentic AI, Generative AI
- **Software Development:** API Integration, Flask, Streamlit, Django

Projects


ML Interpreter

[Github](#)

- **Improved model transparency and debugging efficiency** for data scientists by developing a codeless tool to interpret black-box models like Random Forest and XGBoost. Integrated feature importance insights and misclassification analysis.
- **Tech:** Python, Streamlit, Docker, Random Forest, XGBoost

Music Recommendation System

[Github](#)

- **Boosted user engagement by 25%** through real-time, personalized playlists for music enthusiasts using the Spotify API. Processed 500+ songs dynamically based on genre, tempo, and user preferences.
-  **Tech:** Python, Spotify API, Streamlit, Content-Based Filtering

Stock Price Predictor

[Github](#)

- **90% accurate stock price forecasts**, enabling investors to make data-driven financial decisions. Developed a Random Forest-based prediction model with a Flask web app for real-time insights.
- **Tech:** Python, Random Forest, Flask, Machine Learning.

Skin Lesion Classification using CNN(Ongoing)

- Implementing CNN-based classification on the ISIC2017 dataset to detect and categorize skin lesions.
- **Tech:** Python, TensorFlow, Data Augmentation, Flask

Internship

KPIT Technologies | Trainee

December 2023 – May 2024

- Mastered modern C++ programming techniques and best practices through intensive training sessions.
- Gained expertise in Modern C++ best practices, including RAII, exception handling, and resource management.
- Engineered several projects using C++17 features, enhancing code readability and maintainability. Optimized memory management by implementing real-time solutions.

Certifications

- Python and SQL Certifications | HackerRank |2024
- Machine Learning Certifications | Kaggle | 2024
- **Google Data Analytics** | Coursera | 2023
- DSA self-paced | GeeksforGeeks | 2022

Education

B-TECH in Computer Science	Lovely Professional University	June 2020 – May 2024
Higher Secondary	Global Public School	April 2019 – May 2020