# Rodrigues Anthony Oliver

• +917977372705 • anthonyrodrigues443@gmail.com • github.com/anthonyrodrigues443
• linkedin.com/in/anthonyrodrigues443 • Mumbai, Maharashtra, India

## Summary

Aspiring Data Scientist and ML Engineer with a solid foundation in Artificial Intelligence and Machine Learning. Currently pursuing BTech in AIML, with hands-on experience in Python, data analysis, and predictive modeling. Adept at building and deploying ML and deep learning solutions to address real-world challenges.

## Education

| | |
|---|---|
| Btech in Artificial Intelligence and Machine Learning | Mumbai, Maharashtra, India |
| St. Francis Institute of Technology | 09/2024 - Present |

## Languages

- English (Proficient)
- Hindi (Advanced)
- Marathi (Advanced)
- Konkani (Native)

## Skills

- **Programming Languages :** Python (Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, SciPy)
- **Database Management :** SQL - MySQL (Joins, Views, Triggers, Normalization)
- **Machine Learning :** Data Preprocessing (Feature Engineering, Encoding, Scaling), Model Building & Deployment (Boosting, Bagging, Linear Models, Clustering, Hyperparameter Tuning)
- **Deep Learning :** Neural Networks (ANN, CNN, RNN, LSTM)
- **NLP :** Text Preprocessing, Language Modeling, Sentiment Analysis, Transfer Learning
- **Version Control :** Git, GitHub (CI/CD)

## Projects

- **RAG-Noah - Smart Glasses AR Assistant**
  - Developed an innovative AR assistant using LLaMA 3.1 that processes text, voice, and visual inputs
  - Implemented RAG (Retrieval Augmented Generation) for accurate information retrieval from PDFs and websites
  - Built using Python, Streamlit, LLaMA, and GROQ API with focus on prompt engineering for enhanced accuracy

- **Supercar Image Classification**
  - Developed a CNN model using Transfer Learning (InceptionV3) achieving 90% accuracy for supercar classification
  - Implemented complete ML pipeline: web scraping for data collection, image augmentation, model training, and Flask API deployment
  - Built using Python, TensorFlow, OpenCV, Flask with focus on handling data scarcity through augmentation techniques

- **Additional Project Experience**
  - Developed 10+ ML projects spanning Classification, Regression, and Clustering algorithms
  - Implemented various NLP applications including Sentiment Analysis and Text Classification
  - Built Computer Vision solutions using CNN architectures

## Certifications

- **Machine Learning in Python - 365 Data Science**                                    11/2024
  - Covered : Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering)

- **The Machine Learning Algorithms A-Z - 365 Data Science**                           11/2024
  - Covered : Supervised Learning Algorithms ( Linear Regression, Bagging and Boosting models),
              Unsupervised Learning Algorithms ( K-means, Hierarchial clustering),
              Neural Networks (ANN, CNN, RNN, LSTM), Recommendation systems (Collaborative filtering)

## Interests

- Coding
- Music
- Sports
- Dance