

Onyedikachukwu Ojukwu

Data Scientist

A data-driven computer scientist passionate about employing machine learning techniques and algorithms. I have worked with a range of machine-learning algorithms and methods. I am eager to apply my skills to real-world problems

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EDUCATION

Texas Southern University (B.S.) Computer Science & Mathematics

07/2020 - 12/2024

Houston, Texas

Courses

- Data & File Structures
- Introduction to Data Science and Machine Learning
- Advanced OOP Using C++
- Statistics For Sciences

WORK EXPERIENCE

Data Science Intern Texas Southern University

05/2024 - 08/2024

Houston, Texas

Achievements/Tasks

- Researched Alzheimer's disease and other neurodegenerative diseases through the analysis of EEG scans, acquiring the domain knowledge
- Utilized matplotlib to visualize datasets from the open neuro repo. Employed derivative data for temporal analysis and transformed time series data to the frequency domain using scipy, enabling the identification of correlations.
- Applied mathematical and computational techniques, such as FFT, to effectively extract clean wave patterns
- Developed accurate Binary classification model using TensorFlow. Achieved 87% prediction accuracy in determining subjects' health status.

Cloud Technician Freelance

01/2022 - 05/2022

Achievements/Tasks

- Built SMTP servers on reliable cloud platforms like AWS and Azure, utilizing Ubuntu servers configured via SSH. Empowered small businesses to boost product visibility and drive traffic effectively.
- Maintained clients' products such as Email servers by ensuring the SSL Certificate is authenticated correctly to ensure reliable traffic.
- Designed and implemented a serverless API gateway using DynamoDB, leveraging NoSQL database principles and partition keys for efficiently collecting long URLs from short ID tables.
- Added custom domain to API gateway to serve as a shortener for clients to present their businesses professionally.

SKILLS

Languages: Python, C++, R, SQL

Packages: scikit-learn, NumPy, pandas, PyTorch, TensorFlow, Keras, matplotlib, Opencv, scipy, streamlit, seaborn, statsmodels

Dev Tools: git, AWS, Azure, Git Actions, VS Code, Jupyter, Pycharm

General: ML & DL, Software Dev, Inference, Leadership, Data Scraping, Data Cleaning, Postman, Object-Oriented Programming

OPEN-SOURCE PROJECTS

Housing Price Model (01/2023 - 03/2023)

- Cleaned and analyzed data sets from the SATLIB California Pricing Repository, [focusing on data](#) from 1990, to gain insights into housing prices in the Bay Area.
- Utilized machine learning techniques and frameworks to build a predictive model for housing prices in the Bay Area, leveraging Python and data science libraries such as NumPy and Pandas
- Employed data manipulation techniques in Python to preprocess and transform the dataset, ensuring its suitability for building a supervised learning model.
- Created and trained a supervised learning model using the preprocessed data, enabling [accurate predictions](#) of housing prices based on various features and factors.

ORGANIZATIONS

Tigers Data Science club (07/2023 - 2024)

Founding President

National Society Of Black Engineers (01/2023 - 2024)

Technical Director

Society of Women Engineers (07/2022 - 2024)

Affiliate

AWARDS AND ACCOLADES

COSET HONOR ROLL AWARD 2023

DEANSLIST 2024

NSBE HOUSTON PROFESSIONALS - outstanding academic achievement award 2023

157 LBS DEADLIFT REGIONAL BRONZE MEDAL - 2017

SEMI PRO BRONZE CHESS MEDALIST 2017