Ifechukwudeni Oweh

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https://github.com/teddyoweh/

Education

TARLETON STATE UNIVERSITY — Stephenville, TX
Computer Science, Artificial Intelligence and Data Science (B.sc) — 2026
Honors

Chokhmah International Academy
Nigeria
7As (NECO) — 2021

Experience

TARLETON — Stephenville, TX
Lead Student Researcher (Electrical & Computer Science Department) — March 2022 – Present
Implemented Mini Batch K-Means Normalized Mutual Information Feature Inclusion (KNFI), Mini batch K-Means Normalized Mutual Information Feature Elimination (KNFE) to develop an algorithm to determine the max number of features and the features for an ml model to run effectively and have a high accuracy score.
- Training Hybrid Machine Learning Models and comparing results against target results.
- Extensive research on Hybrid Machine Learning Algorithms & Models.

TARLETON STATE UNIVERSITY — Stephenville, TX
Research Student (Mathematics Department) — May 2022 – Present
Carried out Dynamic Systems Modelling to efficiently to analyze and model the spread of a disease using network graphs.
- Analyzed trends in disease spread and innovated algorithms and methods to carry out analytics
- Worked with a team, on solving and creating methods for discovering disease susceptibility rate and recovery probability.
- Provided team with solutions to technical problems

Leadership & Activities

TARLETON COMPUTER SOCIETY — Stephenville, TX
President — May 2022 – Present
Oversaw all activities of the organization. Hosted several coding, programming and innovative competitions. Hosted conferences on growing a career in tech.

TARLETON IEEE BRANCH — Stephenville, TX
Media Officer — March 2022 – Present

Managed Public relations of the Tarleton Institute of Electrical and Electronics Engineers Branch.

STUDENT GOVERNMENT ASSOCIATION — Stephenville, TX
Member — March 2022 – Present

Respected Authoritative Figure.

STUDENT RESEARCH ORGANIZATION — Stephenville, TX
Member — March 2022 – Present

Research

TARLETON STATE UNIVERSITY   Stephenville, TX
Hybrid Feature Selection
Implementation of Mini Batch K-Means Normalized Mutual Information Feature Inclusion (KNFI), Mini batch K-Means Normalized Mutual Information Feature Elimination (KNFE) to develop an algorithm to determine the max number of features and the features for an ml model to run effectively and have a high accuracy score.

TARLETON STATE UNIVERSITY   Stephenville, TX
Dynamic Systems Disease Modelling
Dynamic Systems Modelling to efficiently to analyze and model the spread of a disease using network graphs.

Projects

OMARK

Source code: https://github.com/teddyoweh/Omark

Omark is a Python library that implements a linear search algorithm with a facial recognition module, on a database of pictures. It captures a picture of a group of people and determines who is absent from the picture, who is present in the picture and how many people are in the picture. An implementation of this in a real-world scenario is in taking class attendances, it captures a picture of a classroom and then performs a linear search algorithm on a database to determine which student is in class and which student isn't.

IMPLEMENTATION OF POINTERS IN PYTHON

Source code: https://github.com/teddyoweh/Pointers-in-Python

It is widely known that there aren't Pointers in Python and there is only one way of assigning variables in python, but this project creates a new method of assigning variables in python and can be implemented in large-scale projects and make it more efficient

SENTIMENT ANALYSIS API

Source codehttps://github.com/teddyoweh/Sentiment-Analysis-API

The Sentiment Analysis API was created using the python flask module, parsing a text or sentence can parse the (text) argument, and a JSON encoded response is given with the detailed sentiment analysis of that sentence including information such as the Text Parsed, the Sentiment Level of the text, the sentiment polarity of the text and the sentiment subjectivity of the text. It can be implemented and embedded into a web application.

Skills & Interests

Technical: Python, GCB, R, JavaScript, ReactJS, Electron, NodeJS, ExpressJS, MySQL, MonogDB. API Development.
Language: French (Intermediate), Igbo (Conversational)
Laboratory: Dynamical System Modelling, Machine Learning Modeling, Algorithm Design.
Interests: Competitive Programming, Table Tennis.

REFERENCES AVAILABLE ON REQUEST