

Olumide Omololu

oaomololu@gmail.com | +447946348448 | olumideomololu.github.io | linkedin.com/in/olumide-omololu-711874102/

EDUCATION

Master of Science, Computer Science (Artificial Intelligence)

September 2020 – September 2021

University of Nottingham, Nottingham, UK

Relevant Coursework:

- Human AI Interaction, Databases, Interfaces and Software Design Principles, Data Modeling and Analysis, Big Data, Malware Analysis

Thesis: Fake News Classification via Hybrid Feature Selection

Bachelor of Engineering, Computer Engineering

September 2011 – June 2016

Covenant University, Ota, Nigeria

Relevant Coursework:

- Software Engineering, Object-Oriented Programming, Computer Networking and Security, Computer Architecture, Microprocessor Systems, Embedded Systems

Thesis: Fish Classification Using Artificial Neural Networks

Certifications: Certified Information Systems Auditor (Qualified)

WORK EXPERIENCE

KPMG

Lagos, Nigeria

Technology Consultant (Cybersecurity and Revenue Assurance)

September 2018 – September 2020

- Served as Team-lead/staff on multiple IT risk and security assessments for leading financial institutions in which business processes, infrastructure and applications were evaluated and bench-marked against market-leading standards in addition to analysis and validation of general ledgers based on enterprise database records.
- Cleaned, analyzed and computed transaction data on maintenance charges spooled from enterprise databases to assure the figures stated in the company's financial report via the design and implementation of a data analysis pipeline to simulate charge consolidation operations over a financial year.
- Developed social engineering simulator software using the flask framework with credential logging functionality for use in information security awareness assessment thereby eliminating reliance on 3rd party and vendor-provided information security testing services saving 100% of expected operational costs.

PROJECTS

Question Answering Chatbot

- Utilized term-document modelling and cosine similarity to implement a small-talk capable chatbot based on a question-and-answer database using the NLTK, NumPy, and Scikit-Learn Python libraries.

Traffic Violation Database

- Designed a web application that effectively records traffic violations and associated data such as fines and personal data using PHP and MySQL.

Cryptocurrency Price Forecasting via Big Data Analytics

- Utilized Apache Spark's streaming linear regression feature to forecast the changes in the price of Ethereum and over prespecified time windows using Apache Spark and the Yahoo finance API

2D Space Shooter Game

- Utilized the Pygame library and open-source graphics in the collaborative development of a 2D space shooter with adjustable difficulty settings.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, PHP, Go, R

Concepts: Software Engineering, Machine Learning, Cloud Computing, Natural Language Processing, Database Design and Management, Project Management, Risk Assessment, Process Optimization, Penetration Testing, Computer Networking,

Computer Security, Data Engineering, Big Data, Data Analysis and Modeling, Algorithm Design, Malware Analysis, Streaming

Platforms: Linux, Windows Server, Amazon Web Services, Heroku, Docker, Git, Apache Spark.