IJEZIE DANIEL EKENEDILICHUKWU
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EDUCATION

University of Hull — Hull, UK
Master of Science in Artificial Intelligence and Data Science (Distinction) — Jan 2023 – Jan 2024

Covenant University — Ota
Bachelor of Science in Industrial mathematics – Computer Science (Hons) — Sep 2017 – Sep 2021

WORK EXPERIENCE

Admoni. — Lagos
Data Scientist/ Front end Developer — Jan 2022 – Jan 2023

- Developed an administrator's dashboard using JavaScript and the React framework to visualize key metrics such as new user registrations, transactions, and user activity.
- Analysed and interpreted company data to provide actionable insights and recommendations for business strategies.
- Utilized python and statistical tools to conduct data analysis and build predictive modes to aid decision making.
- Consumed REST API endpoints and Figma designs to develop client-side features for the company.
- Collaborated with the User Experience and back-end development teams to enhance the company's admin dashboard, enabling real-time statistics monitoring.
- Comprehensively documented company dashboards and applications to facilitate understanding for non-technical team members.
- Managed comprehensive documentation of back-end API endpoints in Postman, enhancing accessibility and usability for mobile and web frontend teams.
- Authored weekly reports presenting diverse company statistics and analysis results for simplified interpretation and strategic decision-making.

Nigerian National Petroleum Corporation (NNPC) — Rivers State
Data Analyst Intern — Feb 2019 – Jun 2019

- Analysed network performance data to identify patterns and troubleshoot connectivity issues, improving office network efficiency.
- Collaborated with other interns to provide responsive and effective support to address issues related to network connectivity, computer hardware, and software applications.
- Utilized excel to interpret data from network diagnostics, ensuring quick resolution of hardware and software issues.
- Wrote daily reports detailing the resolution status of IT – related issues, providing actionable insights for continuous system improvements.

ACADEMIC RESEARCH EXPERIENCE AND PROJECTS

University of Hull — Hull, UK
UK English Accent Classification Using Deep Learning. — Sep 2023 – Dec 2023

- Carried out a comparative analysis to determine the best performing models between Convolutional Neural Networks (CNNs), Long Short-Term Memory (LSTM) and basic Deep Neural Networks (DNN) in accent classification.
- Developed a state-of-the-art deep learning model that accurately classifies six distinct accents in the UK.
- Explored and validated the transfer learning capabilities of the developed model, enabling its adaptability for diverse research projects with constrained data.
- Conducted comprehensive assessments on the performance of audio pretrained models such as VGGish and Yamnet in the context of accent classification.

Predictive Analysis of Traffic Accident and injuries using machine learning on the 2020 UK accident data — May 2023 – Aug 2023

- Utilized SQL queries to retrieve accident data specific to the UK for the year 2020 from the data.gov.uk website.
- Cleaned and analyzed the data to identify accident peak hours and days of the week with the help of the seaborn and the matplotlib python libraries.
- Applied the Apriori algorithm to investigate the influence of various factors on accident severity.
- Employed the KMeans clustering unsupervised learning technique to gain insights on accident pattern in Hull using cluster analysis.
- Designed an ensemble model utilizing Random Forest, Support Vector Machine, Gradient Boosting, and K – Nearest Neighbors algorithms to create a precise predictive model for fatal injuries in road traffic accidents.
- Authored a comprehensive report encompassing findings from the analysis and the predictive model development.

Covenant University — Ota
Bus Management System using Java. — Feb 2020

- Used MySQL as Database to store user and administrator information.
- System shows Create, Read, Update and Delete (CRUD) operations using java.

PERSONAL PROJECTS

Client-Side UI for Accent Detection — August 2024 – Present

- Building a UI for the accent detection model where a user can upload a recording of a voice and get a prediction of the origins of their accent.
- Project client side is being built using JavaScript (REACT)

Ecommerce Web Application — May 2022 – Aug 2022

- Collaborated with a backend developer and a UI/UX designer to build the client side of an ecommerce application using REACT

SKILLS

Programming Languages: JavaScript (REACT), SQL (MySQL, SQLite), Python, Java, C, C++, C#
AI and Data Science: Deep Learning (Computer vision and NLP), Machine Learning, Data Cleaning, Data preprocessing, Data Mining
Software: Power BI, Tableau, Excel, PowerPoint, Word, Postman, GitHub
Soft Skills: Problem Solving, Collaboration, Adaptability, Tenacity, Curious, Creative thinking, Communication