

Brenda Ekemezie

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Education

MSC APPLIED AI AND DATA SCIENCE | FEBRUARY 2024 | SOLENT UNIVERSITY

- Result: Distinction
- Related coursework: Introduction to AI, Programming for Problem Solving, Applied AI in Business, Data Analytics and Visualization.

BACHELORS OF SCIENCE | JULY 2018 | UNIVERSITY OF NIGERIA

- Result: Second Class Honors Upper Division (2:1).

Experience

DATA SCIENTIST | MERCHANT AI LIMITED | FEBRUARY 2023 - DATE

- Tech stack: Python, SQL, AWS, MySQL.
- Conducting exploratory data analysis to gain insights into complex datasets.
- Developing and implementing machine learning models to solve business problems.
- Cleaning, preprocessing, and wrangling raw data to ensure its quality and usability.
- Collaborating with cross-functional teams to identify data-driven opportunities and solutions.
- Creating data visualizations and reports to communicate findings effectively to stakeholders.

TECHNICAL LEAD/PROGRAM MANAGER | METALEX | AUGUST 2020 – FEBRUARY 2023

- Spearheading the development and maintenance of a technology-enabled mineral marketplace.
- Orchestrating miner empowerment initiatives and facilitating onboarding on the online mineral marketplace.
- Facilitating daily standup meetings with the ground team.
- Executing negotiations of contracts and conducting site inspections.

Skills & Abilities

- Proficient in developing with Python, C, HTML5, Javascript and CSS3.
- Expertly employ machine learning models and data manipulation tools such as pandas, NumPy, scikit-learn.
- Excel in problem-solving and collaborating within cross-functional teams.
- Skillfully manipulate data visualization tools like Weka.
- Demonstrate basic familiarity with Tableau and PowerBI, with ongoing proficiency development.
- Possess strong analytical skills with keen attention to detail.
- Maintain confidence and professionalism consistently.

- Adapt adeptly to new and varying conditions.

UNIVERSITY PROJECTS

MENTAL HEALTH CHATBOT

- Sourced high-quality textual data pertaining to patients with mental health conditions.
- Conducted thorough data cleaning procedures to ensure data integrity.
- Applied advanced natural language processing (NLP) techniques to analyze the dataset.
- Trained a machine learning model using the processed data to develop a chatbot.
- Designed and implemented a text-based interface for the chatbot to interact with users.

DATA ANALYSIS AND VISUALIZATION PROJECT

- Processed, managed, and analyzed Airbnb property data from England.
- Developed a comprehensive system enabling users to query and visualize the dataset effectively.
- Designed and implemented user-friendly interfaces for efficient querying and visualization of the dataset.

CRYPTOCURRENCY PRICE PREDICTION

- Collected cryptocurrency price data for analysis.
- Created visualizations that illustrate market trends and patterns in cryptocurrencies.
- Developed and trained a predictive model capable of forecasting prices for twenty cryptocurrencies.
- Predicted cryptocurrency prices for intervals of one day, one week, and one month in advance.
- Integrated the predictive model into a user-friendly GUI (Graphical User Interface) for ease of access and interaction.

STROKE PREDICTION

- Sourced a high-quality open-source dataset containing patient medical information, ensuring compliance with data privacy laws.
- Conducted thorough analysis and visualization of the dataset to identify significant trends and patterns.
- Utilized advanced statistical methods and machine learning techniques to train a predictive model.
- Developed a robust predictive model capable of accurately forecasting the likelihood of stroke occurrence.
- Implemented rigorous validation procedures to assess the model's accuracy and reliability.
- Ensured adherence to data privacy regulations throughout the data sourcing, analysis, and model development processes.

Professional Certifications

- AWS Cloud Technical Essentials (Coursera) – March 2024.
- Practical Data Science on the AWS Cloud Specialization (Coursera) - October 2023.
- Forward Program (McKinsey & Company) - December 2022.
- AWS Machine Learning Foundations (Udacity) - October 2022.
- Introduction to IoT (Cisco) - September 2022.
- Responsive Web Design (freeCodeCamp) - July 2022.

- Product Management Course (Great Learning Academy) - May 2022.
- Diploma Certificate in Project Management (Chartered Institute of Project Management) - August 2019.