ANNA ABA VICTOR

DATA ANALYST

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Analytically-minded Data Analyst with expertise in turning complex datasets into actionable insights. Proficient in Python, SQL, and R, with additional skills in web development (HTML, CSS, JavaScript, React, PHP, Bootstrap). Experienced in data visualization, statistical analysis, and machine learning, with experience in impactful projects.

Professional Experience

Freelance Software and Website Developer

Software and Website Developer - March 2023 - Present

- Created websites and softwares for various companies.

GoGreen Energy Limited

Data Analyst - March 2023 - June 2024

- Created and updated company financial databases.

- Maintained digital records of receipts, invoices, and inventory.

- Identified and addressed database discrepancies, improving system efficiency.

- Prepared and organized company document templates.

Education

1. **M.Sc in Data Analytics (November 2020 - August 2022)**

 Bharathiar University

   - Focused on machine learning, IoT, Website Development, R programming, Python programming, databases (SQL, MongoDB), data visualization (Tableau), and cloud basics.

Projects

I). Website Development

Created various website designs for companies such as ERES, Consolidated HR, NomadQuest Safaris, Rankstert, EstherMuchiri Advocates and Poa. Technologies used include: HTML, CSS, JavaScript, React, MySQL, PHP and Bootstrap.

II). A Machine Learning Framework for Identifying Potential Biomarkers for Ovarian Cancer

This project involved the development of a Machine Learning-based framework for predicting biomarkers for Ovarian Cancer. The project involved the use of biological data in the form of 2 microarray datasets and clinical data in the form of cancer patients medical records. The aim of the project was to identify candidate genes to be used as potential biomarkers for the development and progression of Epithelial Ovarian cancer in conjunction with patients' medical records; so as to improve prognosis in patients. Candidate genes associated with the development and progression of Ovarian Cancer were identified using the bioinformatic analysis carried out on the microarray datasets and cross-checked with the genes found in positive cancer patients.

11I). Monitoring the Quality, Hygiene, and Contamination of Water

This IoT project was developed to monitor water quality using environmental data collected through multiple sensors. The system automated the collection, processing, and analysis of water parameters to ensure hygiene and water contamination detection. It was aimed at establishing real-time water quality monitoring.

IV). Prediction of Stock Market Prices Using Machine Learning

Developed a predictive model for forecasting market data of stock prices using Linear Regression and LSTM neural networks. Analyzed stock exchange data from the Bombay Stock Exchange Database, applying supervised learning techniques. Utilized Python and libraries such as TensorFlow and Pandas for data preprocessing, modelling, and visualization.

V). Sentiment Analysis on Amazon Dataset

Analyzed customer reviews and feedback using textual data to extract sentiment insights for Amazon and Apple. Utilized R libraries (tm, wordcloud, ggplot2) and Python libraries (NLTK, TextBlob, Pandas) for text preprocessing, sentiment scoring, and visualization. Demonstrated proficiency in NLP techniques to enhance customer sentiment understanding and business decision-making.

2. B.Sc. Honours Mathematics, Statistics and Economics (August 2016 - November 2019)

University of Burdwan

• Specialized in quantitative analysis, econometrics, and statistical theories for decision-making.

Specializations

- Python - Basics, Libraries, Data Analysis(Numpy, Pandas, Matplotlib, Seaborn, Sklearn libraries)

- Website and Software Development - HTML, CSS, JavaScript, React, Bootstrap, PHP

- R Programming - Basics, Packages, Data Analysis and Text Analytics
- SQL and MySQL
- MongoDB
- Machine Learning - Regression, Clustering, Classification
- IoT - Arduino Software and ThingSpeak Data Visualization using Tableau

Certifications

Microsoft Azure Fundamentals (Dec 2021)

AWS for Beginners (May 2022)

Introduction to RPA and Automation (Mar 2022)

Key Skills

- **Problem-Solving Skills**

- **Attention to Detail**

- **Analytical and organizational Skills**

- **Team-player**

- **excellent communication skills**

Referees

1. Dr. Hirono Lahiri - Professor and Head of Department(HoD)
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2. Dr. T. Devi - Professor and Head of Department (HoD)
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