ISREAL UFUMAKA

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Summary

Developer with 4+ years of experience in executing data-driven solutions with high accuracy and efficiency. Experienced in using predictive modeling, data mining/machine learning algorithms, data processing, and providing blockchain solutions to solving business problems. Highly focused with an in-depth knowledge of using various development technologies for solving real world business problems. Possessing a proven track record of successfully completing projects from concept through implementation to deployment. Eager to learn, passionate about data driven approach, naturally easy going with the ability to get along with colleagues. Currently looking for a suitable data science position with a progressive employer.

Work Experience

Developer

Freelancing, – remote
August 2019 to Present

- Created different tokens on Ethereum, Solana, Binance Smart Chain, and Polygon blockchain.
- Designed and built both front-end and back-end of different NFT minting engines.
- Fork various OHM on Polygon (Matic) with a twist involving integration, testing, UI design and deployment of smart contract.
- Fork DAO on Avalanche Network.
- Designed and created various NFT minting website and their NFT ERC-721 token smart contract.
- Provided support for various operations for creation of flash-loan bots and DEX Swaps.
- Designed the structure, security and access control for blockchain development for product team using Agile methodology.
- Created an automated CI/CD pipeline for code deployment, allowing for dozens of scripts update with zero down time.
- Reduced deployment time for time sensitive critical agile project infrastructure from 28 days to 3 days.
- Managed various Github repositories and permission (tagging and branching).
- Analyzed code/data inaccuracies and work with IT members and various stakeholder with generated documentation of report analysis.
- Maintain documentation and provide knowledge transfer for new team members.

Lead Developer

Pistolatum Inc., Miami – remote, USA
March 2021 to December

- Responsible for project code review and specification definition.
- Involved in designing, developing, maintaining, fine tuning, and provide support for four subsidiary websites.
- Analyst and Project Manager for all internal and external projects.
- Responsible for designing, installing and improving current CMS module for energy website.
- Suggested the use of new SEO tool which increase blog daily traffic by 30%.
- Implement a new competitive analysis and customer trend report which increase sale of energy product by 35%.
- Reduce energy website blog bounce rate from 67% to 19% using analytic strategies.

Nation Youth Service Corps (NYSC)

34 Artillery Brigade Signal, Obinze Imo State, Nigeria
January 2021 to December 2021

- Designed and developed a personnel data management system running on a secure end-to-end intranet infrastructure.
- Designed and demo a new secure CBT exam system for the Army HQ using software engineering practices.
- Maintained the departments major online communication channel.
- Prepared weekly communication reports of all data traffic within Area Of Responsibility.
- Performed various research on penetration testing and developed a penetration testing app for tracking mobile devices.

Business Development Manager Intern

Ismile Technologies, New York – remote, USA
November 2020 to February 2021

- Implemented a new loyalty program for converting new customer of a niche related market into loyal customers.
- Improved communication between different product managers and marketing department for a better understanding of advantageous competitive position.
- Improved customer satisfaction from 20% to 35% after reviewing customer's feedback.

AI/Data Science Intern

Ismile Technologies, New York – remote, USA
August 2020 to November 2020

- Synthesized different sensitive datasets used by different product while maintaining their statistical properties.
- Developed and deployed generic and bespoke financial calculation engines and scripts for an insurance product on Azure.
- Implemented a new documentation system which improves knowledge transfer of the existing intern cycling system by 45%.

Data scientist

Freelancing - Benin City, Nigeria
February 2018 to November 2020

- Applied machine learning methods and statistical analysis to large data sets for prediction, featuring engineering and data mining.
- Analyzed and evaluated various new and existing datasets in other to give better insight.
- Analyzed and gave better insight on various machine learning methods used by researcher in heart disease prediction task with Python.
- Created a sentimental analysis system using machine learning algorithm with Python that is capable of aiding developers and business owners to gain proper insight from Google play store.
- Created a real time web scraping macro using a robotic process automation and Python.
- Developed a real time anti-spoofing facial verification system using machine learning methods which achieved a high accuracy with Python.
- Developed a heart disease prediction system using Python for medical diagnosis with a hybrid machine learning approach by combining neural network and genetic algorithm which achieved 98% accuracy when evaluated.
- Created a natural language processing system in Python using a machine learning method for analyzing text from different blogs.
- Collaborated with team members in building a real time stock market prediction model using machine learning algorithms which achieved an accuracy of 92%.
- Built an open source lightweight Python package for automating various text preprocessing activities.

Technology Intern

Bright Network – Remote (UK)
June 2020 to July 2020

- Developed a project management plan in agile methodology for a facial verification service to be used by a bank app sign-in process.
- Different market research on recent facial verification services for mobile devices/apps.

Software Engineering Intern

University of Benin – Benin City, Nigeria.
April 2018 to December 2018

- Managed and improved upon the University's website dedicated for inaugural lecture series and the center for forensic department.
- Developed a website for the University's agricultural alumni association which currently serves the purpose of keeping all alumni of the department up to date with events happening in the department.

Education

University of Benin - Benin City, Nigeria.
October 2015 to December 2019
Bachelor of Science in Computer Science

Volunteer Experience

I. Tech - Benin City, Nigeria.
January 2020 to current
- Data science tutor.
- Web development tutor.
- Blockchain consultant
- Research Consultant

Publications

- Ufumaka, I. "Machine Learning Algorithms For Heart Disease Prediction: A Comparative Analysis" New Vision In Science And Technology Vol. 7, Page 157-167. https://doi.org/10.9734/bpi/nvst/v7/5077F (2021).
- Ufumaka, I. "Comparative Analysis of Machine Learning Algorithm for Heart Disease Prediction" International Journal of Scientific Research and Publication (IJSRP), Vol. 11(1). DOI:http://dx.doi.org/10.29322/IJSRP.11.01.2021.p10936, (2021).
- Ufumaka, I. "Machine Learning Approach for Heart Disease Predictions." ResearchGate. DOI: 10.13140/RG.2.2.21393.86888/3, (2020).

Certifications

- AWS Machine Learning Foundations
- IBM Certified Solution Advisor – Blockchain Platform V2
- IBM Blockchain Foundations Developer
- IBM Blockchain Essentials
- Technology Internship Experience UK
- Deep Learning with Tensorflow
- Data Science Foundations
- Data Science for Business
- Data Science Hands on with Open Source Tools
- SQL and Relational Database
- End user Security Awareness

Skills

- Python, Go, JavaScript, Solidity, Web3.js, PHP, HTML, and MySQL.
- GIT, Apache, Nginx, AWS, GCP, Docker, Linux
- Copywriting, On-page SEO, Off-site SEO, and Link building.
- Effective at gaining insight from data.
- Adaptive to different environment.
- Creativity in solving task.