Bupe Chindongo

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📍 Randburg, Johannesburg

⌖ https://github.com/U21566641

⚑ Personal Website

🪪 PROFILE

Dedicated and hard working third year student with a strong foundation in software development and data analytics. Proficient in multiple programming languages, such as Java, Python, C#, JavaScript, and many more with a demonstrated ability to tackle complex problems in the technology space. Exceptional problem-solving skills, demonstrated through academic projects involving machine learning, web development, and databases. Proven ability to learn quickly, work in teams, and handle multiple tasks simultaneously.

🎓 EDUCATION

Bcom Informatics: Information Systems
University of Pretoria
03/2021 – 12/2023 | Pretoria, South Africa
Elective: Statistics

Trinityhouse High Randpark Ridge
01/2016 – 12/2020 | Johannesburg, South Africa

📁 PROJECTS

Capstone Project
Procurement System, INF 370 Module at the University of Pretoria
- Interfaced with stakeholders to obtain business requirements and ensure satisfaction.
- Frequently met with, and collaborated with team members to ensure project objectives were being met.
- Wrote good-principled, efficient code for the system in order to ensure that the client was happy and the project would easily be able to be handed over to internal company developers.
- Wrote extensive documentation for this code to assist in maintenance of the system and ensure that the system would be easily understandable to any future developers of the system.
- Handled the optimization of the database using tools like SQL stored procedures in order to ensure that the data from the database was being delivered through the API to the client in the shortest amount of time possible.
- Thoroughly tested the system and implemented exception handling to ensure that no unexpected errors would be apparent to the users of the system.

Credit-Card Fraud Detection System
Part of the WST 212 Module at the University of Pretoria
- Managed an interdisciplinary team in order to ensure good-quality work from all members.
- Performed exploratory data analysis and visualization on the dataset using the R scripting language to allow team members to better understand the data before the model building process was commenced.
- Built a credit-card fraud detection system with an accuracy of 98% utilizing R which predicted the likelihood of a transaction being fraudulent based on variables storing sensitive information.
- Presented the system in a well-structured report designed to be easily understandable to non-technical stakeholders, making extensive use of data visualization to present findings.

Website fixes and optimization
- Interfaced with the head of marketing of IPCS Malawi to ascertain the business requirements for the website and define objectives.

SKILLS

Programming
Proficient in Python, C#, TypeScript, Java, R and many more.

Web Development
Skilled in HTML, CSS, JavaScript, and frameworks like React.JS and Angular.

Data Management
Experienced with SQL databases like SQL Server, PostgreSQL, and MySQL.

Communication
Strong oral and written communication skills, able to translate technical findings into understandable insights for non-technical stakeholders

Version Control
Familiar with Git and GitHub.

Software Development Methodologies
Experience with both Agile and Waterfall

Data analysis
Proficient in data analysis using Python and R

Time management
Strong organizational skills with the ability to manage multiple tasks and deadlines.

- Took over the existing WordPress website, and learnt the WordPress system within a period of two days in order to be able to make fixes to the existing website, as well as add additional functionalities.
- Performed analysis on the website and optimized it accordingly in order to decrease loading times.

Agricultural E-Commerce system
Part of the INF272 module at the university of Pretoria
- Built an e-commerce web application using .NET Framework and the MVC architecture with the intention of connecting SMEs in the farming sector to suppliers in order to aid these SMEs with the selling of their goods.
- Implemented strict application security to ensure that personal data would not be leaked.
- Demonstrated familiarity with OOP principles in order to satisfy the objectives of the assignment.

INTERESTS

- Visual Arts
- Fourth Industrial Revolution
- Reading
- Machine Learning/Artificial Intelligence
- Blockchain Technologies
- Human-Computer Interaction
- Guitar Playing