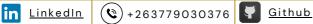
TAKUDZWA DUBE









(⊠) takudzwatristandube@gmail.com



Portfolio Portfolio

TECHNICAL SKILLS

Programming languages: Python, JavaScript, C#, SQL

Databases: PostgreSQL, MongoDB

• Machine Learning: Scikit-Learn, SciPy, PyTorch, NLTK

Visualization: Tableau, Power BI, Matplotlib

Version Control: Git & Github

Cloud Platform: AWS

Sys Admin: Networking Protocols, Cybersecurity Awareness, Troubleshooting

WORK EXPERIENCE

Software Engineer, Intern

Premier Knitting

July, 2021 - Aug, 2022

- Built and improved the company's website platform, boosting online sales by 23% and customer experience.
- Fixed website bugs and cut page load times by 32% by optimizing databases.
- Created a mobile-friendly responsive website, increasing user engagement.
- · Led transition of old systems to new technologies, enhancing scalability and reducing maintenance by
- Introduced new team workflows, raising collaboration and productivity by 54%.
- Used machine learning to decrease production defects by 25% and unplanned downtime by 33%.
- Worked cross-functionally to build predictive maintenance systems, minimizing losses.
- Recognized for top data analysis abilities, creating models to optimize costs.
- Learned new technologies through conferences and training, sharing with team to promote innovation.
- Communicated effectively with technical and non-technical teams to understand needs, find solutions, and explain complex ideas.

PROJECTS

Security Evaluation Framework for CLOUD BI in SME's in Zimbabwe

- Conducted in-depth analysis to identify potential security vulnerabilities and threats unique to the cloud BI landscape.
- Implemented effective mitigation strategies to safeguard sensitive data and ensure regulatory compliance.
- · Developed a structured risk management approach that aligns with SME requirements, providing actionable insights to prioritize security investments and minimize potential risks.
- Established a Python-powered monitoring system for real-time insights into security incidents, enabling proactive measures and continuous protection of cloud BI resources.

Computer Vision: Geek Stuff-OpenCV Image Search

- Seamlessly integrated Google Inception V3, redefining object detection in video clips by translating intricate algorithms into practical Computer Vision applications.
- Expertly deployed the model on Flask, creating an intuitive interface for video uploads within memory thresholds, skillfully merging technology and design for an unmatched user experience.
- Pioneered frame-splitting, processing videos into frames and utilizing Google Inception V3 for accurate object identification. Empowered users with effortless, robust search capabilities.

EDUCATION

UNIVERSITY OF ZIMBABWE

BSC HONS DEGREE IN COMPUTER SCIENCE 2.1

SAINT PATRICK'S HIGH

ZIMSEC ADVANCED LEVEL SCIENCES

CERTIFICATES

AWS Certified Cloud Practitioner, Udemy 2023

Full Stack Web Development, Udemy, 2023

Machine Learning with Python, freeCodeCamp, 2022

REFERENCES

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