Jaheem Edwards

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EXPERIENCE:

Developer Intern
Agostini Limited - Internship
July 2025 -October 2025/ Port of Spain, Trinidad and Tobago

- Evaluated Shopify and WordPress by developing functional eCommerce prototypes to assess usability and integration capabilities.
- Designed and prototyped software solutions based on stakeholder requirements and user journeys.
- Developed and maintained code following modern software development standards.
- Investigated AI tools and mapped business data to support predictive analytics initiatives.
- Built an end-to-end Data Pipeline GUI to automate ERP sales data ingestion, cleaning, transformation, and visualization using Python, PostgreSQL, Node.js, and Streamlit.
- Created a secure REST API for data access and an interactive dashboard for real-time analysis and CSV export.
- Contributed to testing, debugging, documentation, and architectural planning.
- *Work performed under a non-disclosure agreement (NDA); implementation details are confidential.*

EDUCATION

Bachelor of Science in Computer Science (Special) July 2025
The University of the West Indies

CERTIFICATIONS

- *Data Science: Machine Learning* — Codecademy *September 2025*
  - Focus: Machine learning, neural networks, predictive modeling, data analysis & communication
- *Machine Learning/AI Engineer* — Codecademy *October 2025*
  - Focus: *Building end-to-end ML applications for production and real world environments*
- *Build Deep Learning Models with TensorFlow* — Codecademy *October 2025*
- *SEC-100: Introduction to Cybersecurity* — OffSec *(In Progress)*
  - Focus: Foundational cybersecurity frameworks and practical techniques for entry-level roles

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TECHNICAL SKILLS:

- **Languages:** Python, C++, Java, JavaScript, Bash
- **Frameworks & Libraries:** Flask, Streamlit, scikit-learn, TensorFlow, Pandas, Matplotlib
- **Databases:** PostgreSQL, MySQL, SQLAlchemy
- **Tools:** Git, Linux, Docker, CI/CD (basic), API development

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PROJECTS

Final Year Research Project (SwarNeTT_Report.pdf, SwarNeTT Conference Paper.pdf)

- Evaluated SwarNeTT, a communication app using Wi-Fi Direct for disaster and emergency communication, focusing on efficiency and reliability.
- Conducted real-world testing and performance analysis, comparing SwarNeTT with competitors like Everbridge and Zello, measuring key metrics such as power usage, packet transmission, and network performance.

Stock Analysis and Predictions (Stock_Market_Prediction_Project_Report.pdf, VideoDemo)

- Built a Streamlit web app to visualize and forecast S&P 500 stock trends using interactive dashboards.
- Applied machine learning models (Random Forest, Linear Regression, XGBoost) with technical indicators and sentiment analysis to support data-driven investment insights.

Amazon Reviews: Data Science and Machine Learning (COMP3610_A3_Report.pdf)

- Worked with the McAuley-Lab/Amazon-Reviews-2023 dataset (200GB, 34 categories) for large-scale data processing and analysis.
- Performed tasks including data acquisition, cleaning, exploratory data analysis (EDA), sentiment classification (logistic regression), recommendation system (ALS), and clustering (k-means).

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- Gained hands-on experience in processing large datasets and tackling computational challenges in machine learning.

Fake News Detection (COMP3608_Project_Report.pdf)

- Built a fake news detection system using machine learning and deep learning models (Logistic Regression, XGBoost, BERT) for binary and multiclass classification.
- Preprocessed and analyzed news articles using NLP techniques such as TF-IDF, text cleaning, and contextual embeddings.
- Developed a Streamlit web app for real-time predictions and interactive model comparison.
- Achieved over 90% accuracy on binary classification tasks and evaluated models using precision, recall, and F1-score.