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

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

PROJECTS - Portfolio Website: **Project Portfolio**

Telco Customer Churn Prediction   Live Demo | GitHub
- Predicts which telecom customers are likely to churn using account info, services, and usage patterns.
- Features an interactive web app with probability visualization and data exploration.

Market Regime Markov Model   Live Demo | GitHub
- Analyzes stock and cryptocurrency prices to identify market regimes (Bull, Bear, Neutral/Correction) and model transitions using a Markov Chain.
- Includes interactive visualizations: price charts, heatmaps, transition matrices, steady-state probabilities, and future regime simulations.

A/B Testing Analysis App   Live Demo | GitHub
- Analyzes A/B test results on a simulated retail website to determine if a background color change improves user engagement.
- Features interactive charts, boxplots, segmentation insights, and hypothesis testing explanations with plain-language conclusions.

Forest Fire Prediction   Live Demo | GitHub
- Predicts the likelihood of wildfires in the USA based on location, weather, and environmental features.
- Interactive web app with map and risk indicators.