Shanikwa Haynes
Data Analyst

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PROFESSIONAL SUMMARY

Former Security Officer with criminal justice background transitioning to data analytics, bringing investigative thinking and risk assessment expertise to data-driven decision-making. Skilled in SQL, Python, R, Tableau, and Excel with hands-on experience analyzing operational data, identifying process improvements, and delivering insights that reduced security violations by 10%. Proven ability to clean, visualize, and transform complex datasets into actionable recommendations across security, logistics, public service, and education sectors.

SKILLS

Programming & Databases: SQL (PostgreSQL, DuckDB) | Python (Pandas, NumPy) | R | Bash
Data Visualization: Tableau | Power BI | Excel | Streamlit | Plotly
AI & Machine Learning: Google Gemini API | Forecasting Models | Statistical Analysis
Business Intelligence: KPI Development | Dashboard Creation | Automated Reporting | Trend Analysis
Tools & Platforms: Git | Google Workspace | Microsoft Office Suite | Infinite Campus | Learning Management Systems

EDUCATION

Master of Science in Data Analytics, Data Science | Western Governors University | Mar 2025 - Aug 2025

Bachelor of Science in Business Administration, Management | Western Governors University | Sep 2024 - Jan 2025

Bachelor of Science in Criminal Justice, Minor in Psychology | Dalton State College | Jan 2018 - May 2021

CERTIFICATIONS

Google Data Analytics Professional Certificate | Coursera | Jan 2023
Data Analytics Certificate Course | Break Into Tech | Apr 2024

PROJECTS

AI-Powered Business Intelligence Dashboard | Python, Streamlit, Google Gemini API, DuckDB | Live Demo: https://ai-bi-dashboard-yajxi5tkqxsrpguy7yh8zu.streamlit.app/ | Jan 2024 - Present
• Engineered full-stack BI platform addressing critical data bottlenecks where analysts spent 80% of time cleaning data before analysis—integrated DuckDB-powered SQL engine with 15+ cleaning templates and Google Gemini AI for natural language queries, processing 1M+ records across 6 industries (Finance, Healthcare, Sales)
• Eliminated data preparation bottleneck by building automated SQL cleaning module with visual validation—reduced data cleaning time from 4 hours → 30 minutes and analysis time from 3 days → 30 seconds, enabling non-technical users to generate executive reports and 30-90 day forecasts with AI-interpreted confidence intervals
• Deployed scalable data pipeline handling 1M+ row datasets with real-time visualizations and complex transformations (outlier detection, duplicate removal, email validation)— automated reporting engine generating insights in <15s across 4 export formats, previously requiring 3+ days of manual analysis

Database Developer | Relational Database Design & Optimization | EcoMart E-Commerce Platform | GitHub: https://github.com/ShanikwaH/WGU_Portfolio/blob/main/D597/summary.md | Mar 2025 - Apr 2025
• Architected normalized 3NF PostgreSQL database with 3 interconnected tables resolving inventory management inefficiencies for online marketplace handling 10,000+ transactions with 100,000+ records
• Optimized query performance through strategic indexing on 7 frequently-accessed columns, reducing execution times from 15.2ms → 9.9ms while developing 3 complex SQL queries for business operations
• Implemented scalability features including horizontal scaling architecture, role-based access controls (RBAC), and data encryption protocols supporting HIPAA compliance requirements

WORK EXPERIENCE

Data Analyst | Freelance (Part-time work, 15-20 hrs/week) | Dalton, GA | Jan 2023 - Present
• Developed and maintained 5+ interactive dashboards and analytical tools using Power BI, Tableau, and SQL, implementing automated data refresh schedules, data validation protocols, and performance monitoring to ensure data accuracy, reliability, and timely insights
• Designed clear, accessible data visualizations and reports across multiple platforms, translating complex datasets into actionable insights that support strategic decision-making for diverse stakeholder audiences
• Integrated 10+ data sources through API connections and SQL queries, optimized database queries to reduce processing time by 40%, and automated reporting workflows using Python scripts for efficient, reliable data delivery and analysis
• Collaborated with clients to identify analytical requirements, provide data-driven recommendations, and deliver customized reporting solutions that align with business objectives and support continuous improvement initiatives

Security Officer | Allied Universal | Dalton, GA | Jan 2024 - Apr 2024
• Leveraged site access data and incident logs to assess risk exposure, minimize unauthorized access trends, and enforce operational protocols that contributed to a 10% reduction in on-site security violations
• Interpreted real-time incident response data to support conflict mitigation efforts, maintaining a 100% conflict resolution success rate while enhancing client-facing service strategies
• Consolidated observational inputs into actionable summaries, enabling facility managers to address procedural gaps and enhance site-wide protocol enforcement