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

Data Analysis & Visualization: Power BI | Tableau | Excel
Programming & Databases: SQL | Python | R | Bash | HTML | CSS | JavaScript
Business Intelligence: KPI Development | Dashboard Creation | Performance Metrics | Trend Analysis | Reporting Automation
Core Competencies: Data Validation | Process Optimization | Statistical Analysis | Pattern Recognition | Risk Assessment | Stakeholder Communication | Quality Assurance | Data Analysis and Reporting | Data Collection and Analysis | Forecasting | Business Development | Big Data Understanding
Tools & Platforms: Infinite Campus | Microsoft Office Suite | Google Workspace | 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, Plotly, Pandas | Jan 2024 - Present
• Developed full-stack analytics platform serving 6+ industries (Finance, Healthcare, Sales, Operations, Manufacturing, Government) with AI-powered insight generation processing 1M+ records in <15 seconds
• Reduced analysis time from 3+ days to 30 seconds by building automated reporting engine generating executive-level insights with natural language queries
• Created automated forecasting system with AI interpretation enabling non-technical users to generate 30-90 day predictions with confidence intervals

Database Developer | Relational Database Design & Optimization | EcoMart E-Commerce Platform | Aug 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 by 35% (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 & Personal Projects (Part-time contract 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