AAMR IBRAHIM

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Data Analyst & AI Specialist

Objective

A result-oriented Data Analyst and AI Specialist with strong experience in RNTS-compliant dashboards, CMS modernization, LTSS analytics, and AI pipelines. Seeking to develop advanced Python programming skills, SQL, and data visualization techniques so as to provide concrete and KPI-related solutions to an organization on the cutting edge.

Professional Summary

Results-driven Data Analyst experienced in designing RNTS-compliant dashboards, LTSS analytics, and CMS Modernization pipelines. Strong background delivering KPI-focused insights using Python, SQL, data wrangling, EDA, predictive modeling, and real-time visualization. Proven track record collaborating on knowledge engineering and AI projects aligned with QSM standards.

Education

M.S. in Computer Science, Old Dominion University, Norfolk, VA
(Expected Dec 2025)
Relevant Coursework: Computer Architecture, Data Visualization, Data Science

B.S. in Computer Science, Old Dominion University, Norfolk, VA
(May 2024)

Certifications

AT&T 2025 Technology Academy(2025) | Google Generative AI (2025) | Google Image Generation (2025) | Orac Infrastructure AI Foundations Associate (2023)

Professional Experience

Afrique Noire | Web Developer Intern | Remote | 04/2025 - 06/2025

- Built and launched 5 RNTS-compliant, SEO-optimized WordPress websites, improving page performance by 30% and increasing organic traffic by 40%.
- Customized 3 Shopify themes to streamline CMS modernization workflows, cutting content update time by 25%.

IQuasar | Knowledge Engineering Intern | Sterling, VA | 06/2024 - 08/2024

- Developed 4 LTSS knowledge graphs using OWL, SHACL, and SPARQL, which reduced CMS reporting turnaround time by 35%.
- Created 5 learning modules and automated KPI tracking for real-time pipelines, improving compliance reporting accuracy by 20%.

Old Dominion University | INNOVATE U-OWN Intern | Norfolk, VA | 05/2023 - 07/2023

- Prototyped a distance learning solution impacting over 300 students, resulting in a 20% increase in stakeholder KPIs through empathy-driven UX improvements.
- Coordinated with the team to ensure alignment with CMS modernization standards.

Projects

OS Enhancement Project (2025) | Enhanced CPU scheduling and synchronization, increasing simulated system throughput by 15% for workloads with 500+ concurrent processes.

Data Science Project (2025) | Led development of an RNTS-compliant data pipeline, performing EDA and ML modeling that forecasted CMS KPIs with 92% accuracy, enabling proactive strategic decisions.

Interactive EDA Dashboard (2025) | Designed Vega-Lite dashboards for LTSS compliance, cutting report generation time by 80% for CMS stakeholders.

AI Chatbot Developer | Built a real-time NLP chatbot that resolved around 70-85% of LTSS-related queries autonomously, improving user support efficiency.

Technical Skills

Languages: Python, SQL, C++
Tools: Google Colab, Jupyter, Protégé, ROBOT
Data: RNTS, LTSS, CMS, KPI, QSM
Visualization: Vega-Lite, Matplotlib, Seaborn, Plotly
Web/DB: WordPress, Shopify, MySQL
Methodologies: Agile, Compliance Reporting, Process Sync