

Ayana Bojokoeva
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[LinkedIn](#) [GitHub](#) [Digital Portfolio](#)

QUALIFICATION SUMMARY

Data Analyst and Business Analytics professional with strong expertise in SQL, Python, Tableau, and data-driven decision making. Proven ability to design and implement relational databases (ERD, 3NF, PostgreSQL), perform advanced SQL querying, and translate complex datasets into actionable insights through dashboards and visual analytics. Hands-on experience in financial analytics, cybersecurity operations, data modeling, and business process optimization. Demonstrated success in academic and real-world projects involving healthcare systems, cross-border financial operations, network security, and full-stack application development using React and JavaScript. Recognized for analytical rigor, technical precision, cross-functional collaboration, and rapid learning in high-impact environments.

EDUCATION

Bachelor of Science in Business Analytics and Information Systems

Anticipated: May 2026

University of South Florida – Tampa, FL

Concentration: Cybersecurity

GPA: 3.75

PROFESSIONAL EXPERIENCE

Math Tutor

University of South Florida – Tampa, FL

August 2024 - Present

- Tutor 70+ undergraduate students in Precalculus and College Algebra, improving average student exam scores by 15–25% across the semester.
- Deliver individualized instruction, reducing students' course failure risk by 20% through analytical problem-solving frameworks.
- Strengthened student learning by translating complex mathematical concepts into simplified, real-world applications.

Data Security Intern

KeySoft LLC – Bishkek, Kyrgyzstan

May 2025 – August 2025

- Conducted network monitoring on 200+ endpoints and assisted in vulnerability analysis, leading to identification of 12+ security gaps later addressed by senior engineers.
- Supported incident response simulations, contributing to a 30% faster detection of abnormal network activity.
- Helped create cybersecurity awareness materials used in training sessions for 50+ employees, increasing compliance with security protocols.

Data Analytics Intern

InfoDesk – Bishkek, Kyrgyzstan

May 2024 – October 2024

- Analyzed and cleaned 10,000+ financial and operational records using SQL and Python to support ongoing business intelligence initiatives.
- Built Tableau dashboards used weekly by managers, reducing manual reporting time by 40%.
- Automated data preparation tasks, improving reporting accuracy by 30% and accelerating insight delivery to stakeholders.

Bank Analyst Intern

KAP.KG – Bishkek, Kyrgyzstan

June 2024 – July 2024

- Performed quantitative analysis on 1,500+ cross-border financial transactions, identifying irregularities and improving reporting quality.
- Supported daily operations by summarizing financial insights for senior analysts, contributing to a 10% faster end-of-day reporting cycle.
- Gained hands-on exposure to AML compliance, risk indicators, and international payment flows.

PROJECTS

- **Sunrise General Hospital – Data Modeling & Analytics Capstone**
 - Designed an end-to-end healthcare database using PostgreSQL, 3NF schema, and ERD (12+ entities)
 - Implemented 15+ SQL queries for patient flow, staff utilization, and appointment metrics; built Tableau visualizations reducing analytical interpretation time by 35%.
 - Created assumptions log and constraints to ensure data integrity and model accuracy.
- **Goodmead Hospital Management System – Business Analysis Project**
 - Co-authored a 30-page analysis report and a 20-slide presentation evaluating requirements, ERDs, and business workflows.
 - Applied BABOK-aligned practices to model use cases, stakeholder maps, and DFDs; recommended 10+ actionable process improvements.
- **DronTec System Redesign – Cross-Border Capability (Canada Extension)**
 - Identified 10+ new high-level functional requirements and redesigned ERD, DFDs, and data flows for cross-country compliance.
 - Documented UI, architecture, and operational modifications; improved clarity of project scope alignment for cross-border use.
- **Network Security & Traffic Analysis** – Wireshark, Packet Capture, Protocol Analysis, Security
 - Conducted packet-level traffic inspection using Wireshark, analyzing 1000+ HTTP/HTTPS packets to identify anomalies.
 - Evaluated network architecture and security posture, connecting findings to industry frameworks (NIST, ISO).
- **Software Development & React Applications Portfolio** – JavaScript, OOP, Arrays, React, Vite, HTML, CSS
 - Includes 4 production-ready applications:
 - **CRM System (JS OOP)**: Built reusable classes, inheritance hierarchy, and sorting/filtering logic for customer management.
 - **Tour Comparison React App**: Implemented API calls, state management, conditional rendering, and search filtering.
 - **Tour Destination Selector**: Created controlled components & UI toggles; reduced redundant re-renders by 25% using optimized structure.
 - **Tour Gallery Rebuild (GitHub Copilot)**: Improved code readability & reduced development time by 40% using AI-assisted scaffolding.

LEADERSHIP AND INVOLVEMENT

Curator, Orphanage Projects – “INTERACT”

September 2020 – November 2022

- Coordinated fundraising events (raised 3,000+ USD equivalent).
- Led delivery of food and supplies to 5+ orphanages.
- Managed volunteers, logistics, and budgeting.

HONORS AND AWARDS

- USF Green & Gold Direction Waiver Award
- National Society of Collegiate Scholars
- Dean's List Fall 24 & Spring 2025

SKILLS

- Analytical Tools: SQL, Excel, Tableau, Power BI, Canva
- Cybersecurity Tools: Wireshark, Basic Network Traffic Analysis
- Programming: Python, HTML/CSS, JavaScript
- Developer Tools: Git, React, Vite
- Languages: English, Russian, French, Kyrgyz