

EDUCATION

Boston University: College of Arts and Sciences; Boston, MA May 2026
Bachelor of Arts in Data Science with Minor in Business and Administration
Relevant Coursework: Financial Accounting, Business Decision-Making with Data, Applied Programming for Investments, Probabilistic and Statistical Decision-Making for Management, Programming for Data Science, Introduction to Product Management

WORK EXPERIENCE

BU Finance & Investment Club; Boston, MA Feb 2025 – Present
Quantitative Senior

- Collaborating on a semester-long quantitative research project focused on Kalshi prediction markets and automated trading pipelines.
- Built a scheduled Azure Function pipeline to collect daily SPY/SPX data using Kalshi API, with logs and cloud storage integration.
- Applied Python testing (pytest), typing (Pydantic), and engineering best practices. Working toward Docker/Kubernetes deployment.

Girls Who Code; Boston, MA Sep 2024 – Dec 2024
Mentorship Program Facilitator

- Served as a Bits Facilitator in the Bits & Bytes Mentorship Program, a Girls Who Code BU initiative.
- Conducted weekly virtual coding workshops for grades 3–5, teaching Python, Scratch, and foundational computer science principles.

Mauve; Rajasthan, India May 2023 – June 2024
Social Media Analytics

- Developed and implemented targeted ad campaigns based on demographic data and user engagement metrics, increasing social media-driven sales by 15% over a three-month period.
- Analyzed social media trends and feedback to refine marketing strategies, which enhanced brand visibility and improved customer satisfaction ratings.

World of Stones; Maryland, USA Dec 2023 – Feb 2024
Data Analytics Intern

- Identified key performance indicators for sales and customer engagement through comprehensive exploratory data analysis, providing actionable insights that informed strategic decision-making.
- Visualized complex data sets using tools like Tableau and Python’s seaborn, enhancing stakeholder understanding of underlying trends.

PROJECTS

Thurmond Amendment Advocacy Campaign Jan 2025 – Apr 2025

- Partnered with client Yusuf Dahl to support federal advocacy for repealing the Thurmond Amendment using state-level drug conviction data.
- Cleaned and analyzed Arkansas data to uncover demographic disparities and socioeconomic effects of fair housing exclusions.
- Created visualizations and policy impact summaries for use in legislative meetings; built dashboards using Python, SQL, and Google Looker.

Graph-Based Network Analysis: Average Distance Calculation Feb 2024 – Mar 2024

- Analyzed MIT call data using graph traversal algorithms in Rust to compute average node distances.
- Optimized the program for large datasets, providing insights into network connectivity and efficiency.

Diabetes Prediction Model Oct 2024 – Dec 2024

- Built a Random Forest model to predict diabetes, prioritizing recall for accurate case detection.
- Implemented Random UnderSampling to tackle class imbalance, achieving a 73.2% recall for enhanced case detection.
- Applied dimensionality reduction (PCA) and performed hyperparameter tuning to optimize overall performance metrics.

SAAF Dec 2022 - Dec 2023

- Developed an iOS app to address water shortages in Rajasthan, facilitating NGO distribution of testing kits.
- Designed a user-friendly interface and optimized backend performance using advanced data structures.

LEADERSHIP

NVIDIA GTC 2025 Delegate San Jose, CA March 2025

- Attended leading AI conference sessions on agentic AI, generative AI infrastructure for India, and AI-driven retail transformation. Earned certification in LLM app development and prompt engineering.

Delta Kappa Alpha, Member Sept 2023 - Present

- Led and coordinated Delta Kappa Alpha's key events, promoting collaboration and fostering a deeper appreciation of cinema among members and the broader community.

Social Impact Film Festival, Volunteer Jan 2024 - April 2024

- Coordinated logistics and programming for the Social Impact Film Festival, enhancing attendee experience and engagement through well-executed screenings and event.

CERTIFICATIONS

Building LLM Applications With Prompt Engineering – NVIDIA GTC 2025
Credential ID: g-2IIRd1RO6ZWcYuaAXLlA | Issued: Mar 2025

- Completed a hands-on workshop led by Mohammad Ali Raza on deploying real-world LLM-powered applications using LangChain, Llama 3.1, and NVIDIA's NIM. Topics included chatbot development, document analysis, agentic AI tools, and structured output design.

SKILLS

Programming & Web Development: Python, Java, R, SQL, LangChain, Web Development | **Data & Analytics Tools:** Power BI, Tableau, Google Looker | **Cloud & DevOps:** Kubernetes, Docker | **Design & Productivity:** Canva, Adobe Photoshop, Microsoft Office, G-Suite | **Version Control:** Git