Sama Al Ani

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Education

George Mason University, Fairfax VA   Graduation: Fall 2025
Bachelor of Science, Information Technology, Minor in Computational Data Sciences

Skills

Technical: Data mining, Algorithms, Python, Python libraries (Pandas, Numpy, Scipy, Matplotlib),
Machine learning, OSI model, TCP/IP, Basic Linux, HTML, SQL, MATLAB, VMWare.

Classes: Modeling and Simulation, Scientific Data Mining, Business Information Systems, Comparative
Politics, International Politics

Professional Experience

ServiceNow Business Analyst, Chantilly VA   May 2024 – August 2024
CACI
- Spearheaded the creation and management of customized ServiceNow dashboards and reports tailored for the Air Force, enhancing data visualization and operational insights providing actionable insights and drive decision-making.
- Facilitated requirements gathering sessions with stakeholders to capture business needs and translate them into technical specifications
- Coordinated with cross-functional teams to define system and network requirements, including data inputs/outputs, controls, and User Acceptance Testing criteria
- Selected from a pool of interns to present internship progress and key findings directly to the Business Sector President and leadership team.

URAP Research Assistant, Fairfax VA
George Mason University   Jan 2024 – May 2024
- Develop an electronic dataset encompassing identifiers for Members of Congress spanning a 30-year timeframe.
- Utilize Python and various libraries for comprehensive data cleaning and analysis.
- Engage in discussions, share progress updates, and collaborate with team members to address challenges and improve workflows.

IT Support Analyst, Fairfax VA
George Mason University   Sep 2023 – May 2024
- Attained success rate exceeding 90% in consistently delivering technical support to users via chat, phone, and in-person interactions, leading to a performance level 25% above the average.
- Utilized ticketing system similar to ServiceNow to manage and prioritize support desk tickets, ensuring efficient tracking and timely resolution of critical issues.
- Offer timely and proficient assistance to customers with basic technical support for various software applications, including CISCO VPN client, DUO mobile, Citrix, and more to help maximize their productivity and efficiency.
- Demonstrated excellent judgment and problem-solving skills by promptly escalating support desk tickets to higher-level staff when necessary, ensuring timely resolution of critical issues.

Collegiate Policy Debater, **Finalist** Fairfax VA
George Mason University   Aug 2021 - Current
- Provided Master thesis quantity of research on a yearly topic and collaborated to conduct strategic and other research for the team, over 20 hours of research a week.
  - Focused on Artificial intelligence. Focused on the legal personhood of AI and patent inventorship.
  - Focused on Antitrust, focused on the agricultural and pharmaceutical sectors. Recognized for outstanding performance with consistent placement in the top 10 speakers among pools of 60+ participants.
- Demonstrated advanced technical research skills, including proficiency in government databases.

Residential Advisor, Fairfax VA   Aug 2022 - Current
Housing and Resident Life at George Mason University
- Maintain the safety and student wellbeing for about 2,000 students in the Shenandoah neighborhood.
- Exhibit leadership capabilities in orchestrating and managing large scale projects and programs, leading to heightened resident participation and the establishment of a dynamic social and academic atmosphere.
- Demonstrate strong conflict resolution skills in managing interpersonal disputes among residents.
- Manage event budgets effectively, ensuring efficient allocation of resources and adherence to financial constraints.

Projects

Data Mining Analyst

Developed and implemented data mining algorithms and models to uncover hidden patterns that answered the question, "What level of support is required to ensure public survival amidst the increasing occurrence of damaging weather events in the USA?"

- Executed an end-to-end data analysis project using the CRISP-DM process, beginning with an analytical problem formulation and concluding with a refined predictive model.
- Employed Python to conduct data modeling and visualization, leveraging the power of exploratory data analysis and feature engineering techniques to extract valuable insights from the data.
- Utilized a Random Forest Regressor, allowing for fine-tuning of hyperparameters to enhance the accuracy and robustness of the predictive model.

Database Management

- Developed a management system that linked datasets about community violence and lack of after-school programs.
- Utilized SQL queries and database design principles to extract, transform, and load (ETL) data from the dataset, ensuring data accuracy and integrity throughout the process.
- Designed and implemented complex SQL queries to extract meaningful insights and generate reports, showcasing proficiency in SQL syntax and database querying.

Leadership

Student Voice, Fairfax VA

George Mason University   Aug 2021 - Current

- **Strategic Collaboration:** Handpicked among student staff members in Housing and Residence Life to collaborate with administration in enhancing the overall experience for both student staff and residents.
- **Policy Improvement Initiative:** Led the Policy Committee, working closely with the executive director of dining to spearhead changes in staff requirements.
- **Cross-Functional Coordination:** Facilitate effective communication and coordination between student staff and administrative stakeholders, ensuring alignment with the overarching goal of enhancing the living and working experience within the residence community.

Search Committee, Fairfax VA

George Mason University   Nov 2023 – Jan 2024

- **Exclusive Student Involvement:** A singular student member was selected to actively contribute to the search committee for the Coordinator of Residential Student Development Initiatives position. Effectively represent the student perspective, ensuring that candidates not only met professional criteria but also aligned with the needs and expectations of the student body. Provided valuable insights into the potential impact of candidates on the residential student experience.
- **Comprehensive Recruitment Process:** Dedicatedly invested time each week until January, collaborating with upper-level administration to meticulously review resumes, conduct interviews, and assess candidates. Played a pivotal role in the multi-stage selection process, demonstrating a commitment to identifying top talent.
- **Strategic Decision-Making:** Engaged in thoughtful discussions and evaluations to narrow down candidates, utilizing a discerning approach to select a few highly qualified individuals. This involved a thorough analysis of candidates' qualifications, skills, and alignment with the university's objectives.