SARAH JAGERDEO

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, School of Engineering and Applied Science Washington, DC
Bachelor of Science in Computer Science May 2024

Achievements: Recipient of the Gary and Judy Bard Entrepreneurial Engineering Endowment Award (2024) for Senior Design Capstone Project, ChatGPTravel

Certifications: AWS Certified Solutions Architect Associate

WORK EXPERIENCE

GEORGE WASHINGTON UNIVERSITY Washington, DC
Undergraduate Research Assistant, GW Cloud Systems Lab 2022 – 2023
- Utilized Python with libraries like **Pandas, Plotly, and Matplotlib** for **data analytics**, including **cleaning** network traffic datasets and analyzing latency, throughput, and packet loss.
- Conducted **data traffic analysis** through ping tests and load testing, evaluating website performance and generating **visualizations**.
- Presented weekly findings to a team, collaborated with graduate and PhD peers, and assisted Professor Tim Wood with research on network traffic data at GW cloud systems lab.

THE JOHN F. KENNEDY CENTER for the Preforming Arts Washington, DC
NSO Development Intern Present
- **Support donor engagement**: Review and process donor gifts (GEF), **analyze CRM data** to optimize fundraising strategies, and **assist** in cultivating relationships with high-capacity donors.
- **Data and Event Management**: Perform **data entry** and management in Tessitura, conduct data analysis to identify high-capacity donors, draft donor communications, assist the **Assistant** Manager of NSO individual giving.
- **Project and Process Oversight**: Contribute to **fundraising processes**, develop stewardship strategies, support **project management** tasks to ensure smooth execution.

PROJECTS

CHATGPTravel Washington, DC
AI Travel Agent | *Python, mySQL, AWS-RDS* September 2023 – May 2024
- Developed a **greedy algorithm** to optimize daily itineraries by selecting top-rated restaurants (≥4 stars) for each meal, using ratings from Yelp or Foursquare APIs.
- Leveraged **AWS** to deploy and **manage a remote database**, facilitating seamless storage and retrieval of user information and personalized itineraries on a dynamic website.
- Leveraged **OpenAI API** to filter activities based on user inputted preferences.

ANDROID NEWS APP Washington, DC
News App | *Kotlin, Andriod Studios, XML, Java* January 2024 – May 2024
- Developed Android News app for aggregating news from multiple sources, featuring top headlines, specific term searches, news from chosen sources, and local news based on user-selected locations.
- Demonstrated proficiency in Android concepts including **SharedPreferences, RecyclerViews, RESTful APIs**.
- Integrated Google Maps API for displaying local news based on user-selected locations.
- Wrote and efficiently **debugged** algorithms for collecting news from multiple sources, implementing robust networking solutions utilizing Google and News **APIs.**

SKILLS & ACTIVITIES

Technologies and Applications: Microsoft Office (Excel, Word, & PowerPoint), Outlook, VSCode, Flask, AWS, Git
Databases: MySQL, SQL, Google Firebase DB, Tessitura
Programming Languages: C, C++, Java, JavaScript, Python, HTML, CSS, SQL, Kotlin

Membership: Sports Business Association, GWU, 2023 – 2024
Volunteer Work: 2024 GWU Sports Industry Networking and Career Conference; Served as a Technical Coordinator