

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 2020 - 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 Performing Arts Washington, DC
NSO Development Intern Current

- Support donor engagement:** Review and process donor gifts (GEF), collect and **analyze CRM data** to boost donations, and assist in engaging high-capacity donors.
- Manage Data and Events:** Preform **data entry** and management in CRM, draft donor communications, assist in identifying and engaging high-capacity donors through **data analysis**.
- Project and Process Oversight:** Understand and contribute to **fundraising processes** and stewardship strategies, participate in **project management** tasks.

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, Android 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), 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: GWU Sports Industry Networking and Career Conference; Served as a Technical Coordinator for a two-day conference at GWU.