WALEED RAZA

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WORK EXPERIENCE

AWS Support Intern | ClayDesk New Jersey - Remote   June 2023 - August 2023
- o Assisted in migrating on-premises infrastructure to AWS Cloud, and estimated migration costs using a TCO calculator. Utilized CloudFormation templates for resource provisioning. Worked with CI/CD tools for code deployment.
- o Managed IAM users, groups, and roles in an AWS Cloud Platform, Configured EC2 instances, security groups, and networking components. Implemented fault-tolerant and scalable AWS infrastructure.

Computer Science Club President | George Mason University   April 2023 - April 2024
- o Organized and hosted a wide range of events, including workshops, coding sessions, and guest speaker talks, to provide valuable learning opportunities for members.
- o Responsible for coordinating and overseeing GMU's Spring 2024 hackathon.
- o Developed and managed strategic partnerships with industry professionals and companies (Freddie Mac) to offer networking opportunities and industry insights to club members.
- o Oversaw growth from zero to 350+ members, spearheading outreach, and organizational infrastructure.
- o https://mason360.gmu.edu/gmucs/home/

SKILLS & PROJECTS

Skills:
- o **Back-End Dev** | Python, Java, C/C++
- o **Front-End Dev** | HTML, CSS, JavaScript, Django, React
- o **Database** | SQL, Mongo DB
- o **Development Tools** | GitHub/git, Docker
- o **Other |** JUnit, AWS Cloud, Google Cloud platform, Blender, Unix

Projects:
- o Please navigate to my site see what I've worked on | WaleedTheConqueror.Github.io
- o **Hand-recognition shortcuts application using Computer Vision**
  - o Built with Python's OpenCV, Media pipe, tkinter libraries.
  - o Shortcuts using hand motions detected by the camera rather than key commands, user can use hand motions for copy function, move desktop, open browser, move between screens, etc.
  - o Uses OpenCV Computer Vision library to operate, integrated via tkinter framework into an application.
- o **Medical Assistance Accessibility tool – Made for Johns Hopkins Hackathon**
  - o Built with chatGPT API, HTML, CSS, JS, Voice recognition - webspeechkit library, google cloud.
  - o Tool which can listen to 30 min plus of medical information or conversation and using trained data models, summarizes complex medical info to layman's terms with the help of AI infrastructure, additionally simulates a conversation with a physician, integrated into a webpage in form of tools.
  - o Created to help members of marginalized groups such as the blind, illiterate, and disabled bridge the communication gap in the medical industry, and accessibly understand medical information clearly.

EDUCATION

Education: George Mason University
Computer Science BS, Computational Data Science Minor   August 2022 - May 2025
- o Relevant Coursework includes:
- o Intro to Computer Programming (taught in Python), Object-Oriented Programming (OOP taught in Java), Data structures & Algorithms (DSA taught in Java), Low-level Programming (LLP, taught in C), Discrete Mathematics, Calculus