Ashaz Ahmed

Chantilly, VA (open to relocate)
ashaza@vt.edu | (571) 435-6537
linkedin.com/in/ashaz-ahmed/
Personal Portoflio

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech) *Blacksburg, VA*
Bachelor of Science, Computer Science *Graduation: Winter 2023*
Cumulative GPA: 3.58 / 4.00 *Dean's List: Fall 2021*
Relevant Coursework: Computer Systems, Software Design & Data Structures, iOS Mobile Development

EXPERIENCE

General Dynamics Information Technology (GDIT) *Falls Church, VA (remote)*
Software Developer Associate June 2022 – Present
- Worked on the ISEE contract with the DIA concerning development of infrastructure as well as identity, credential, and access management (ICAM)
- Collaborated and led a team of 3 software developer interns to write and document PowerShell scripts to automate the migration of thousands of over-seas Department of Defense employees MS Exchange email accounts
- Communicated and regularly presented progress directly with managers and project overseers within the company

Hokie Electric Vehicle Team (HEVT) *Blacksburg, VA*
Undergraduate Researcher December 2022 – Present
- Conducting research for the electric vehicle EcoCar 4-year design competition sponsored by General Electric
- Designing and researching different connected and automated vehicle systems (CAVs) for the Cadillac Lyric to improve overall fuel efficiency
- Working with tools and languages such as Python, Sensor Fusion, Simulink, and MATLAB

Code Ninjas *Gainesville, VA*
Sensei June 2021 – August 2021
- Led and taught Python, Scratch, JavaScript, HTML, and MakeCode Arcade summer camps for over 200 students
- Created detailed lesson plans to help with summer camps and regularly tutored students to improve their coding abilities

PROJECTS AND LEADERSHIP

Symbiota, *Web Application* May 2023
- Developed and deployed a Full-Stack web application focused on efficient and easy recycling, leveraging Earth911's and Google Maps API for comprehensive material search, retrieval, and data visualization
- Created a microservice architecture by encapsulating functionality into independent services, such as AWS Lambda functions and AWS Amplify, allowing for modular development, deployment, and scalability
- Successfully debugged REST API calls using Postman, ensuring proper integration and functionality of the custom API endpoints, enhancing the reliability and robustness of the application
- Achieved compatibility with nearly 400 different classes of objects for recyclability determination, showcasing meticulous attention to detail and a broad understanding of recycling practices

Movies, *Web Application* January 2023 – Present
- Engineered a responsive web application to display information for over 800,000 movies through the use of REST API calls from the TMDb dataset
- Aggregated and cleaned JSON data to optimize website performance and improve the overall UI design
- Worked with a variety of different languages, frameworks, and content management systems such as Python, JavaScript, HTML, CSS, Bootstrap, TypeScript, Flask

Phi Kappa Psi (Fraternity) *Blacksburg, VA*
Public Relations Chair June 2022 – Present
- Managed social media to maintain fraternity brand and regularly created posts to market and communicate fraternity events to over 2000 followers
- Filmed, directed, and created a promotional recruitment video to better market the fraternity through social media. Video received over 15,000 views

SKILLS AND INTERESTS

Certifications: CompTIA Security+ (In Progress)
Programming Languages: C, Python, Java, JavaScript, HTML, CSS, Swift, PowerShell, SQL
Tools: ReactJS, NodeJS, Flask, AWS Amplify and Lambda, Google Firebase, Adobe Premiere, Adobe Photoshop, Adobe Lightroom, Adobe After Effects, Cinema 4D, Blender, JupyterLab, GitHub, GitLab, MATLAB
Interests: Travel (visited over 15 countries), Guitar, Digital and Film Photography, Videography, Cross Country, Track and Field, and Reading