Shams Hasan

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Education

Kennesaw State University **Kennesaw, GA**
Bachelor of Science in Software Engineering *Expected Graduation: Fall 2025*
Cumulative GPA 3.5

Experience

Computer Science Tutor October 2023 – December 2023
Georgia State University *Atlanta, GA*

- Skillfully directed students through the intricacies of object-oriented programming (OOP), data structures, and algorithm design
- Empowered students to construct and implement robust classes, seamlessly integrating methods and objects to solve real-world problems
- Cultivated a mastery of variable naming conventions, including camel-casing, to enhance code readability and maintainability
- Demonstrated exceptional communication and interpersonal skills, fostering a supportive and encouraging learning environment

Projects

MILKY WAY WONDERS [NASA] | *HTML, CSS, JavaScript, JSON, REST*

- Developed a dynamic web application using the fetch API to retrieve live NASA images and videos from the NASA API
- Implemented JSON parsing techniques to extract and interpret data from the NASA API responses.
- Utilized DOM manipulation to dynamically display live NASA images and videos along with informative explanations on the website
- Employed media queries to ensure responsive design and optimal viewing across various devices, including mobile phones, desktops, laptops, and tablets
- Successfully introduced the app to over 40 individuals, captivating their interest in the wonders and intricate nature of the galaxy

MidEast Foodies | *HTML, SASS, TypeScript, Angular*

- Collaborated with an experienced front-end developer to design and implement a user-friendly and visually appealing website showcasing a collection of authentic Middle Eastern recipes
- Implemented a user-friendly search and filtering system to allow users to easily find recipes based on their dietary preferences, cooking time, and meal type

Book-io Scraper | *HTML, XML, Python*

- Developed a robust web scraping application using Python to extract book titles from a popular bookstore website based on their star ratings
- Optimized the scraping process to efficiently scan through hundreds of pages of books, significantly reducing processing time and improving resource utilization
- Implemented a structured data extraction approach, categorizing scraped book titles into five distinct star rating categories (1-star, 2-star, 3-star, 4-star, and 5-star)
- Successfully utilized lxml, BeautifulSoup, and Requests libraries to seamlessly parse HTML content and extract relevant book title data from the target website

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, Java, Python, R, Angular, SQL
Tools and Technologies: Figma, Docker, Git, Shell, WordPress, Microsoft Office, Eclipse, IntelliJ, PyCharm, VS Code
Operating Systems: Mac, Windows, Linux