

Arsal Jafri

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EDUCATION

University of Houston | B.S. in Computer Science

Exp. Grad: 2027

GPA: 4.00

Relevant Coursework: Computer Architecture and Organization, Data Structures

EXPERIENCE

True Power | Operational Analyst

June 2022 – July 2022

- Used SQL to analyze database trends and identify the most common issues, enabling the team to focus on key problems.
- Utilized PowerBI to visualize data, demonstrating specific issues during peak times would mitigate future bottlenecks and resolve frequent problems.
- Managed over **1000** accounts and improved company efficiency by **10%** as well as enhanced service response times by **15%**.

PROJECTS

Recipe Management App | MERN Stack

December 2023 – March 2024

- Developed a full-stack Recipe Management Application enabling users to create, manage, and save recipes.
- The application featured optimized performance with a total CPU time of **656 ms**, a First Contentful Paint (FCP) score of **1.2s**, and a Speed Index of **1.7s**.
- Implemented user authentication and comprehensive recipe management functionalities, providing a robust solution for recipe enthusiasts.

Automated URL Opener | Python

July 2024 – August 2024

- Created a script to automate the opening of multiple predefined URLs based on user input, supporting both command-line arguments and interactive prompts.
- Featured dynamic URL management, robust error handling, and logging capabilities for reliable operation and troubleshooting.

Image Subtitle Application | JavaScript, ReactJS

June 2024 – August 2024

- Developed a web application allowing users to add customizable subtitles to meme images with an easy-to-use interface.
- Implemented random image display from a dataset, ensuring engaging and responsive performance across devices.

Automated Email Organizer | Python

June 2024–August 2024

- Developed a Python script that sorts emails based on specific tags, such as “uh.edu,” and organizes them into user-requested folders.
- The script automates the sorting process, improving email management efficiency and ensuring that relevant emails are easily accessible.

SKILLS

Languages: C++, C#, Python, HTML, CSS, JavaScript, SQL

Tools: Unity, Git, PowerBI, Vercel, Netlify, MySQL, Vite, Azure, LaTeX

Frameworks/Libraries: MongoDB, ReactJS, NodeJS, ExpressJS, NumPy, KaboomJS