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**%.

CougarCS WebDev | *Web Developer*   *September 2024 – Present*
- Enhanced user interaction by implementing dynamic features like hover effects and responsive buttons using **ReactJS** and **Tailwind** for the CougarCS website.
- Led the creation of multiple dynamic features, improving the website's functionality and driving user engagement and increasing membership sign-ups.

PROJECTS

Workflow Automation Platform | MERN Stack   *August 2024 – Present*
- Developed an automation platform allowing users to create and manage workflows. Using **ReactJS** for the frontend and **NodeJS** for the backend. Implemented features including multi-trigger support, customizable actions and templates.
- Enhanced system performance with a **20%** speed improvement and **15%** reduction in data latency.

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 management functionalities, providing a robust solution for recipe enthusiasts.

Automated Email Organizer | Python   *June 2024–August 2024*
- Developed a **Python** script that sorts emails based on specific keywords chosen by the user and then organizes them into the user-requested folders. Over **1000** emails are easily sorted in under **1.7s**.
- 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, Tailwind.

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

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