

# 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 – December 2024

- Enhanced user interaction by implementing dynamic features like hover effects and responsive buttons using ReactJS 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

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 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.

Image Subtitle Application | JavaScript, ReactJS

June 2024 – August 2024

- Developed a web application allowing users to add customizable subtitles to over **500** images with an easy-to-use interface.
- Implemented random image display from a dataset, ensuring engaging and responsive performance across devices.

## 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