

# Arsal Jafri

832-643-0993 | [arsaljafri@gmail.com](mailto:arsaljafri@gmail.com) | [linkedin.com/in/syed-arsal-jafri](https://www.linkedin.com/in/syed-arsal-jafri) | [github.com/ArsalJafri](https://github.com/ArsalJafri)

## EDUCATION

### University of Houston

*Bachelor of Science in Computer Science*

*GPA: 4.00*

*Relevant Coursework: Computer Architecture and Organization, Data Structures*

Houston, TX

*Exp. Grad 2027 Fall*

## EXPERIENCE

### Operational Analyst

June 2022 – July 2022

*True Power*

*Houston, TX*

- Used **SQL** to analyze database trends and identify issues, improving company efficiency by **10%**.
- Utilized **PowerBI** to show my team where to focus at specific times, reducing customer complaints by **15%**.
- Managed over **1000** accounts by using custom templates and small automation scripts.

### Web Developer

August 2024 – Present

*CougarCS WebDev*

*Houston, TX*

- Enhanced user interaction on the CougarCS website by implementing dynamic effects using **React** and **Tailwind**.
- Led the creation of multiple responsive features, improving functionality and increasing membership sign-ups.

## PROJECTS

### Workflow Automation Platform | *MongoDB, Express, React, NodeJS*

August 2024 – Present

- Developed an automation platform allowing users to create and manage workflows.
- Implemented authentication using **JWT**, **httpOnly** cookies and slow hashing in my **MongoDB** database.
- Designed 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 | *MongoDB, Express, React, NodeJS*

June 2024 – August 2024

- Developed a full-stack Recipe Management Application enabling users to create, manage, and save recipes.
- Optimized performance with total CPU time of **656 ms**, a FCP score of **1.2s**, and a Speed Index of **1.7s**.
- Implemented management functionalities, providing a robust solution for recipe enthusiasts.

### Automated Email Sorter | *Python*

August 2024 – Present

- Developed a **Python** script that sorts emails chosen by the user and then organizes them into folders/labels.
- Sorted Over **1000** emails are easily sorted in under **1.7s**.
- Optimized script improving management efficiency and ensures that relevant emails are easily accessible.

### Image Subtitle Application | *JavaScript, React*

August 2024 – Present

- Developed a web application allowing users to add subtitles to images with easy to use interface.
- Used a data set with over **300** images and randomized it, allowing for more user interactivity.
- Implemented a responsive design ensuring optimal performance across various devices.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, C#, SQL, HTML/CSS, R, Tailwind

**Frameworks:** React, Node.js, Express.js, ReactAPI, Material-UI

**Tools:** Git, PowerBI, Netlify, LaTeX, Vercel, MySQL, VS Code, Visual Studio, PyCharm, Jupyter

**Libraries:** pandas, NumPy, Matplotlib, KaboomJS, bcrypt, cookie-parser