

# Ashish Job

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## EDUCATION

### University of Houston - Honor's College

*Bachelor of Science in Computer Science, Minor in Mathematics*

Expected: May 2025

GPA: 4.00

### Relevant Coursework:

*Data Structures, Discrete Math, Cluster Computing, R for Data Science, Computer Organization and Architecture*

## EXPERIENCE

### NASA - IMOC III Avionics Systems Team

*Incoming Engineering Technician I*

Starting January 2024

*Houston, TX*

- Will be working with the development and implementation of **Artificial Intelligence** and **Machine Learning**

### University of Houston - College of NSM

*Undergraduate Academic Teaching Assistant*

August 2023 – Present

*Houston, TX*

- Supported **250+** students in structured procedural programming and elementary functions in **Python**.
- Led weekly exercises, code-reviewed, and provided feedback for multiple **Python** programming assignments.

### Structures and Artificial Intelligence Lab (SAIL)

*Undergraduate Research Assistant*

May 2023 – September 2023

*Houston, TX*

- Acquired and processed **6 datasets** for computer vision and language modeling, detecting risks within structures.
- Fine-tuned **NeRFstudio** and **LERF** resources to improve data processing efficiency and analysis accuracy.

### Cyvergence.AI

*Cybersecurity Intern*

March 2023 – May 2023

*Remote*

- Conducted thorough evaluations of **12%** of the institution's threat feed monitoring policies with **Gap Analyses**.
- Led a team, effectively communicating and assigning duties to **9 team members** for streamlined collaboration.

## PROJECTS

### TBI Dataset Predictor | *Python, Pandas, NumPy, Scikit-learn, Git*

December 2023 - Present

- Developed a predictive **linear regression model** for TBI outcomes, utilizing advanced statistical techniques.
- Conducted data preprocessing and cleaning on datasets with **Pandas** and **NumPy**, for high data quality.

### CanCare for Good | *ReactJS, Firebase, OpenAI Llama Index, Python, TypeScript, Git*

October 2023

- **Won 1st place** at JPMC's hackathon by implementing strategies to increase the retention rate of a nonprofit org.
- Optimized the matching **algorithm**, reducing latency in resource matching and improving overall user experience.
- Integrated an **AI chatbot** to provide clients with quick and efficient resource access, ensuring 24/7 availability.
- Enhanced **UI/UX design** to achieve form completion, resulting in improved user engagement and satisfaction.

### Portfolio Website | *TypeScript, Next.js, TailwindCSS, Git*

May 2023 - June 2023

- Enhanced user engagement with interactive components, boosting visitor retention and interest on the website.
- Ensured optimal viewing experiences across devices by using **TailwindCSS**' versatility in responsive web-design.

## EXTRACURRICULAR

### CougarCS Web Dev Committee | *Admin Portal & Revamp Team Member*

February 2023 - Present

- Enhanced the user experience of the admin portal by **20%** by implementing new features and ensuring bug fixes.
- Converted **30%** of the client code from **HTML, CSS, and JS** to **React.js, TypeScript, and TailwindCSS**.

### Cougar AI | *Vice President Internal*

August 2023 - December 2023

- Fostered collaboration and drove initiatives to fulfill the club's mission while significantly enhancing its impact.
- Increased **member participation by 9x**, and **tripled** interactions with related companies and research labs.

## TECHNICAL SKILLS

**Languages:** Python, C++, JavaScript, TypeScript, HTML, CSS, R, SQL

**Technologies/Frameworks:** TailwindCSS, Git, Next.js, Figma, Linux, Shell, React.js, Kepler.gl, Vite, Docker