

# Ashish Job

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## EDUCATION

### University of Houston - Honor's College

Aug. 2022 – May 2025

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

*GPA: 4.00*

### Relevant Coursework:

Cluster Computing, Data Analysis in R, Computer Organization and Architecture, Linear Algebra

## EXPERIENCE

### Undergraduate Research Assistant

May 2023 – Present

*Structures and Artificial Intelligence Lab*

*Houston, TX*

- Acquired and processed data for computer vision and language modeling, detecting risks within structures.
- Implemented NeRFstudio and LERF methodologies to improve data processing efficiency and analysis accuracy.

### Cybersecurity Intern

March 2023 – May 2023

*Chrysallis.AI*

*Remote*

- Conducted thorough evaluations of set policies related to threat feed monitoring with thorough Gap Analyses.
- Led a team, effectively communicating and assigning duties to team members for streamlined collaboration.

## PROJECTS

### Portfolio Website | Web Development | *TypeScript, Next.js, TailwindCSS*

- Enhanced user engagement with interactive components, boosting visitor retention and interest on the website.
- Ensured optimal viewing experiences across devices with responsive design, improving usability for diverse users.

### Pokemon Tamagotchi/RPG | Object-Oriented Programming | *C++, Git, Figma, UML*

- Developed a Tamagotchi game using *OOP* with *C++* and utilized polymorphism and save/load features.
- Designed a *UML* Diagram in *Figma* and appropriately communicated the project's plans and source code's base.

### Malayalam MNIST | Neural Network | [In Progress] | *Python, Docker, PostgreSQL*

- Developed a digital classification system through which all 56 written Malayalam characters can be identified.
- Employed a dataset containing written formats of all 56 characters in Malayalam for Python to classify each letter.

### PassTA | Fullstack Web Application | [In Progress] | *TypeScript, React.js, TailwindCSS, AWS Cloud, SQL*

- Created a backend login mechanism to provide users who hold the proper TA credentials specialized access.
- Accounted for both students and TAs to hold access to resources furthering their specific related needs.

## LEADERSHIP / EXTRACURRICULAR

### CougarCS | *Typescript, React.js, Next.js, TailwindCSS, Git*

March 2023 – Present

*Web Dev Committee*

- Involved in the Admin Portal Team and Revamp team to assemble or reconfigure the website's front end.
- Utilized Git source control to commit to issues, create separate branches, and merge once corrected.

### CougarAI

March 2023 – Present

*DataCON Logistics Director*

- Orchestrated the Logistics end of the first AI-based Datathon event to be held at the University of Houston.
- Communicated effectively with other directors to set a plan into motion and construct ideas to be accountable for.

## TECHNICAL SKILLS

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

**Technologies/Frameworks:** TailwindCSS, Git, Next.js, Figma, Linux, React.js, Docker

## HONORS / AWARDS

Houston Early Research Experience Scholarship | Dean's List for the Honors College - Fall 2022, Spring 2023 | Dean's Distinguished Scholar's List - Fall 2022, Spring 2023 | Dean's List - Fall 2022, Spring 2023 | Dean's Freshman Excellence Award | Edith and Robert Zinn Scholarship | Commended National Merit Scholar | AP Scholar with Distinction | Academic Excellence Scholarship Recipient | Jerrin Alexander Memorial ACT Award |