

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

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

Anonym-us | TypeScript, Next.js, TailwindCSS, Figma

June 2023 - Present

- Developed a full-stack social media app and website using TypeScript, Next.js, Tailwind CSS, and Figma.
- Integrated authentication/authorization features, for users to register, log in, and access personalized content.

Malayalam MNIST | Python, Docker, PostgreSQL

April 2023 - Present

- 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.

Portfolio Website | TypeScript, Next.js, TailwindCSS

May 2023 - June 2023

- 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 | C++, Git, Figma, UML

April 2023

- 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.

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 |