Ashish Job

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EDUCATION

University of Houston - Honor's College — Expected: May 2026
Bachelor of Science in Computer Science, Double Minor in Mathematics and Entrepreneurship — *GPA: 4.00*

Relevant Coursework:
Data Structures, Discrete Math, Cluster Computing, R for Data Science, Computer Organization and Architecture

EXPERIENCE

University of Houston - College of NSM — August 2023 – Present
Undergraduate Academic Teaching Assistant — *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) — May 2023 – September 2023
Undergraduate Research Assistant — *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.

Cyvergance.AI — March 2023 – May 2023
Cybersecurity Intern — *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

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* — April 2023 - Present
- Developed a **digital classification system** through which all 56 written Malayalam characters can be identified.
- Employed a dataset containing handwritten formats of all 56 characters 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 by using **TailwindCSS'** versatility in responsive web-design.

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.

EXTRACURRICULAR

Cougar AI | *Vice President Internal* — August 2023 - Present
- 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.

Code[Coogs] | *Teams Director* — May 2023 - Present
- Led teams with strategic coordination and strong communication, driving success through cohesive collaboration.
- Led **14+ team leads** to deliver **7** projects on time and within budget, resulting in a **10% increase** in engagement.

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**.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, HTML, CSS, R, SQL
Technologies/Frameworks: TailwindCSS, Git, Next.js, Figma, Linux, Shell, React.js, Docker