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

University of Houston - College of NSM August 2023 – Present
Undergraduate Academic Teaching Assistant *Houston, TX*
- Supported 120+ students in structured procedural programming and elementary functions in Python.
- Led weekly labs, code-reviewed and provided feedback for multiple Python programming assignments.

Structures and Artificial Intelligence Laboratory (SAIL) May 2023 – Present
Undergraduate Research Assistant *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.

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

EXTRACURRICULAR

Cougar AI | *Vice President* August 2023 - Present
- Fostered collaboration and drove initiatives to fulfill the club's mission while significantly enhancing its impact.

Code[Coogs] | *Teams Director* May 2023 - Present
- Led teams with strategic coordination and strong communication, driving success through cohesive collaboration.

CodeRED Hackathon | *Logistics Officer* March 2023 - Present
- Orchestrated intricate operational details and contributed to the largest hackathon in Houston's overall success.

CougarCS Web Dev Committee | *Admin Portal & Revamp Team Member* February 2023 - Present
- Played a key role in enhancing the user experience of the platform through collaborative problem-solving.

TECHNICAL SKILLS

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