Ashish Job

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EDUCATION

University of Houston — May 2025
Bachelor of Science in Computer Science, Minor in Mathematics — Houston, TX
- **GPA: 3.9/4.0**

EXPERIENCE

JPMorgan Chase — July 2025
Incoming Software Engineer — Plano, TX

NASA — August 2024 - April 2025
Software Engineer Intern — Houston, TX
- Engineered an account management tool leveraging **C++** and **Linux** to streamline Crew access permissions.
- Revamped permission processing workflow, reducing user access configuration time by **73 seconds** per request.
- Engineered a **CLI tool** using **Python** and **Bash**, integrating with **Linux** to enhance mission timeline access.

JPMorgan Chase — June 2024 - August 2024
Software Engineer Intern — Houston, TX
- Enhanced cloud health telemetry visibility by **54%** by integrating **AWS/Azure** data into **Grafana** with **PromQl**.
- Improved developer efficiency for **43,000+** engineers by enhancing **RAG infrastructure** for information retrieval.
- Optimized **Jest** unit tests in **React.js** codebase, reducing build time in **CI/CD** pipeline by **33%**.

Resumes.fyi — April 2024 - Present
Co-founder — Houston, TX
- Led development of a web app crowd-sourcing resumes passing top companies for **5200+** users using **Vercel**.
- Derived common resume insights for **3700+** companies by analyzing **2200+** resumes using **GPT-4o**.
- Improved backend efficiency and scalability by building **12+ RESTful APIs** using **Next.js**, **TypeScript**, and **Redis**.

NASA — January 2024 - May 2024
Machine Learning Engineer Intern — Houston, TX
- Developed a **neural network model** with an accuracy rate of **96%** using **Numpy, PyTorch, and Pandas**.
- Reduced machine learning model's CPU processing time by **12.31%** through accelerated parsing integrations.
- Designed a **MySQL database** and improved query performance by **28%** by streamlining data storage.

University of Houston — August 2023 – May 2025
Teaching Assistant — Houston, TX
- Advised **1050+ students** in procedural programming in **Python** and **C++**, improving average scores by **17%**.
- Provided feedback for **object-oriented design** projects, enhancing student comprehension and reducing error rate.

Structures and Artificial Intelligence Lab (SAIL) — May 2023 – September 2023
Undergraduate Research Assistant — Houston, TX
- Fine-tuned **NeRFStudio** resources, enhancing data processing efficiency by **30%** and analysis accuracy by **15%**.
- Investigated and implemented **CLIP** fine-tuning tasks, optimizing image and language relationships by **18%**.
- Processed **6 datasets** for **CV** and **NLP** resulting in a **20%** improvement in risk identification accuracy.

PROJECTS

CanCare for Good | *TypeScript, Python, React.js, Flask, OpenAI Llama Index, Firebase, Vite.js*
- Optimized matching algorithm by **72%**, reducing latency with a **BERT transformer model**.
- Integrated a **Retrieval Augmented Generation (RAG)** chatbot to provide clients with quick resource access.

EXTRACURRICULAR

CougarCS | *Vice President* — August 2024 - May 2025
- Increased **member participation by 9x**, and **tripled** interactions with related companies and research labs.
- Fostered collaboration and drove initiatives to fulfill the club's mission while significantly enhancing its impact.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, Swift, Java, HTML, CSS, Bash, SQL
Frameworks/Libraries: Node, React, Express, Git, MySQL, MongoDB
DevOps: Amazon Web Services (AWS), Azure, CI/CD, Terraform