

# ASHISH JOB

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## EDUCATION

### University of Houston

Expected: May 2025

Bachelors of Science in Computer Science, Minors in Mathematics

Houston, TX

- **GPA: 4.00/4.00**
- **Relevant Coursework:** Algorithms & Data Structures, OOP, Discrete Mathematics, Database, Data Science, Machine Learning, Statistics, Intermediate Game Development

## EXPERIENCE

### NASA

August 2024 - Present

Machine Learning Engineer Intern

Houston, TX

- TBD

### 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 the **React.js** codebase, reducing build time in the **CI/CD** pipeline by **33%**.

### Resumes.fyi

April 2024 - Present

Co-founder

Houston, TX

- Led development of a web app crowd-sourcing resumes that passed top companies for **1,000+** users using **Vercel**.
- Derived common resume insights for **140+** companies by analyzing **120+** resumes using **GPT-4o** and **TypeScript**.
- 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 the 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 – Present

Teaching Assistant

Houston, TX

- Supported **650+ students** in structured procedural programming in **Python**, improving average scores by **17%**.
- Provided feedback for **Python** assignments, enhancing student comprehension and reducing error rates by **25%**.

### Structures and Artificial Intelligence Lab (SAIL)

May 2023 – September 2023

Undergraduate Research Assistant

Houston, TX

- Fine-tuned **TensorFlow** 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%**.

## PROJECTS

### CanCare for Good | TypeScript, Python, React.js, Flask, OpenAI Llama Index, Firebase, Vite.js

- Optimized the 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.

### TBI Recovery App | TypeScript, Python, React Native, Supabase, Numpy, Pandas

- Developed a **full-stack app** to record and track Traumatic Brain Injury patients' hospital records in recovery.
- Integrated a **machine learning model** to predict the estimated recovery time from the patients' recorded scores.

### Stellar Scholars | JavaScript, React.js, Node.js, Pixi.js, OpenAI, TailwindCSS

- Engineered a gamified space educational platform for children that **won 4 awards at TAMUHack**.
- Integrated an **AI Chatbot** prompt-engineered to specifically address younger audiences with broken down answers.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, C, C++, Go, Golang, Swift, Java, HTML, CSS, Bash, PHP, SQL

**Frameworks/Libraries:** Node, React, Express, Angular, GraphQL, Flask, REST APIs, Git, MySQL, MongoDB

**DevOps:** Docker, Kubernetes, Google Cloud (GCP), Amazon Web Services (AWS), Azure, CI/CD, Terraform