

# AYUSH SHIVHARE

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## Education

### University of Texas at Dallas

B.S. in Computer Science — GPA: 3.77 — Dean's List: Fall 2023

Graduating December 2026

Richardson, TX

**Relevant Coursework:** Machine Learning, Database Systems, Data Structures and Algorithms, Software Engineering

## Technical Skills

**Languages:** Python, Java, JavaScript, SQL

**DevOps & Tooling:** CI/CD, Docker, Git, Vercel, CI workflows, Agile

**Cloud & Services:** Google Cloud, Firebase, REST APIs, Serverless deployment

**Frameworks & Data:** React, Node.js, pandas, OpenAI APIs

**other:** Microsoft Suite, Google Workspace, collaboration, Project Management

## Experience

### Potion Cast

Sep. 2025 – Oct. 2025

Back-End Architecture Intern

Austin, TX

- Led end-to-end software and cloud infrastructure development for the "Magic Eye," a physical, interactive **conversational AI** attraction.
- Engineered the real-time AI pipeline from the ground up, integrating **OpenAI** and **ElevenLabs** APIs with **Firebase** and **Google Cloud** backend systems.
- Optimized **REST API** endpoints for high-traffic, real-time data processing, successfully bridging complex cloud architecture with a physical user experience for a live Halloween event.
- Technologies: Python, Firebase, Google Cloud, REST APIs, OpenAI, ElevenLabs

## Leadership & Extracurriculars

### Association for Computing Machinery | Microsoft Suite

Dec. 2024 – Present

Mentor Program Officer [Leadership]

Richardson, TX

- **Built and maintained Excel dashboards** (pivot tables, charts, automated reports) to track mentor/program metrics and **presented summarized findings** weekly to the program director, informing resourcing and scheduling decisions.
- **Led mentor onboarding and workshops** and **facilitated weekly officer-board meetings**, authoring standardized templates and delivering executive **PowerPoint** briefs to improve written and verbal cross-team communication.

### Nebula Labs | React, Vercel, Docker, CI/CD

Aug. 2024 – Present

Head of Engineering [Leadership]

Richardson, TX

- Led the development and deployment of scalable full-stack web applications, supporting over **20,000 users** via cloud infrastructure.
- Managed CI/CD pipelines and code reviews, ensuring high-quality releases aligned with **DevOps best practices**.
- **Expanded community engagement by 50%** through developer enablement workshops on **APIs, databases, and AI tools** fostering a collaborative learning environment.

## Projects

### UTD Trends | Python, OpenAI, pandas, React, Node.js

Aug. 2024 – Present

- Architected an **AI-powered** analysis pipeline in **Python** that interfaces with the **OpenAI** API to automate sentiment analysis and summarization, reducing manual review time significantly.
- Processed and routed large batches with **pandas** and structured returned JSON for frontend consumption, enabling actionable insights for product decisions.

### Postman & GitHub Workshops | React, Node.js, Tailwind

Apr. 2025 – Nov. 2025

- Developed a modular boilerplate for **REST API** prototyping and delivered workshops on **CI/CD** and GitHub workflows to 200+ participants, improving developer onboarding.