

# AYUSH SHIVHARE

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## Education

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University of Texas at Dallas

Graduating December 2026

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

*Richardson, TX*

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

## Experience

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Potion Cast

Sep. 2025 – Oct. 2025

*Back-End Architecture Intern*

*Austin, TX*

- Situation: deliver a production-ready interactive "Magic Eye" for a live event with strict latency requirements. **Action/Result:** Integrated **OpenAI** and **ElevenLabs** with **Firebase/Google Cloud** and tuned **REST API** endpoints, delivering a low-latency, reliable system for the live event.
- Situation: support high-traffic, production operation. **Action/Result:** Added production-focused logging and endpoint optimizations to improve throughput and simplify triage during the event.

Nebula Labs

Aug. 2024 – Present

*Head of Engineering*

*Richardson, TX*

- Situation: rapid user growth demanded scalable and reliable releases. **Action/Result:** Implemented **CI/CD** pipelines, containerized services with **Docker**, and automated code reviews, enabling support for **20,000+** users and faster incident triage.
- Drove agile project cycles and validated releases via continuous integration and Git-based versioning
- Technologies: React, Vercel, Docker, Git, CI/CD

Association for Computing Machinery (ACM)

Dec. 2024 – Present

*Mentor Program Officer*

*Richardson, TX*

- Situation: students building cloud projects needed guidance on production practices. **Action/Result:** Mentored teams on scalable backend design and **REST APIs**, and delivered workshops on **CI/CD**, increasing deployment success and project quality.
- Situation: students required better presentation skills for demos. **Action/Result:** Delivered targeted workshops and one-on-one coaching to improve technical communication for stakeholder-facing presentations.

## Projects

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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.

## Technical Skills

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**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