Likhit Vyas Yarramsetti

Full Stack Software Engineer

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EDUCATION

Arizona State University   Tempe, AZ

M.S., Artificial Intelligence   Aug 2023 - May 2025

B.S., Computer Science   Aug 2020 - May 2024

GPA: 3.83

Coursework: Database Management, Machine Learning, Distributed Software, Operating Systems, AI

EXPERIENCE

Computer Science Instructor @ iCode Chandler   Chandler, AZ │ Aug 2023 - Present

- Teaching children of ages 8-10 introductory robotics engineering concepts, programming using block-based languages such as Scratch and Vex Go, and basic web development using HTML, CSS, and JavaScript.

Software Engineer Intern @ IQM Corporation   New York, NY │ May 2022 - Aug 2022

- Wrote modern, performant code in TypeScript, React, and SASS for the company's main project: a suite of ad-campaign management web apps.
- Gained exposure to working in an agile scrum environment using Jira, Git, BitBucket, and Jenkins.
- Developed numerous new features and bug fixes that drastically improved clients' user experience.
- Worked on a complete overhaul of the main website (iqm.com) utilizing Remix.js and Bootstrap.

PROJECTS   (See more at vyas.app/projects)

Twitch Chat Analyzer (HackSC Hackathon Project) (vyas.app/projects/twitch-chat-analyzer)

- A chrome extension that analyzes the chat of a Twitch live stream and displays the percentage positivity of the chat, helpful for Twitch moderators when managing a stream.
- The **JavaScript** client sends the chat stream to the **Python** (**Flask**) backend in real time using **Socket.io**.
- The backend analyzes the stream and performs natural language processing using **NLTK**.
- The computed percent positivity of the chat is reported back to the client, displayed by the Chrome extension.

ASU Course Tracker (vyas.app/projects/asu-course-tracker)

- A web app that students can use to track the number of seats available for any course at Arizona State University and have a text message sent to them whenever said number changes.
- Server built with the MVC approach using **Node.js**, **Express.js**, and **MongoDB**.
- Authentication is done using **JSON Web Tokens**. Text messaging to student users was done using the **Twilio API**.

Simple Interpreter (vyas.app/projects/simple-interpreter)

- A program developed in **C++** that interprets a simple language and executes the instructions specified.
- As the input is parsed, an intermediate representation of the program is created (a linked list of instruction nodes). The interpreter then starts at the head and goes down the list, executing each instruction node.

PhotoShare (vyas.app/projects/photoshare)

- A photo-sharing web application where users can create albums, photos, tags, likes, and comments for photos.
- As the team lead, I managed the development using **Jira**, **Git**, and **GitHub** ensuring all four team members learned and followed the best practices of how to collaborate using these tools.
- Frontend designed using **Figma** and built using **React.js**, **React Router**, custom **CSS**. Backend API was built using **Flask** and **PostgreSQL**, with authentication done using **JSON Web Tokens**. User photos are stored using **AWS S3**.

SKILLS

Programming Languages	JavaScript, TypeScript, HTML/CSS, Python, C++, Java, C, C#, SQL
Libraries/Frameworks	Node.js, React.js, Next.js, Express.js, Flask, SASS, Bootstrap, Jest, Cypress
Tools/Platforms	Git, GitHub, BitBucket, Jira, Microsoft Office
Databases	MongoDB, PostgreSQL
Operating Systems	Unix/Linux