

Likhit Vyas Yarramsetti

Full Stack Software Engineer

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EDUCATION

Arizona State University

M.S., Artificial Intelligence

B.S., Computer Science

GPA: 3.83

Tempe, AZ

Aug 2023 - May 2025

Aug 2020 - May 2024

Skills Learned: Database Management, Machine Learning, Software Testing, Data Structures & Algorithms

EXPERIENCE

Computer Science Instructor @ iCode Chandler

Chandler, AZ | Aug 2023 - Present

- Teaching children of ages 6-14 introductory coding fundamentals using block-based languages such as Scratch & Vex Go, web development with HTML/CSS/JavaScript, and Data Structures & Algorithms with Python

Software Engineer Intern @ IQM Corporation

Remote | May 2022 - Aug 2022

- Crafted modern, performant, reliable code in TypeScript, React.js, Redux, SASS for the firm's flagship project: a suite of ad-campaign management web applications
- Collaborated in an agile scrum environment leveraging Git, BitBucket, Jira, and Jenkins for streamlined project management and version control
- Implemented critical UX features and bug fixes, resulting in significant improvements to clients' user experience
- Developed a complete overhaul of the main lead generation website (iqm.com) with Remix.js and Bootstrap

PROJECTS

(See more at <https://vyas.app/projects>)

Twitch Chat Analyzer (HackSC Hackathon Project) (<https://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 (<https://vyas.app/projects/asu-course-tracker>)

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

Simple Interpreter (<https://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 of the linked list and traverses, executing each instruction node

PhotoShare (<https://vyas.app/projects/photoshare>)

- A full-stack photo-sharing web app where users can create albums, upload photos, add tags, likes, and comments
- As team lead, I managed the project's development with **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 with **React.js**, **React Router**, and custom **CSS**. Backend API was built with **Flask** and **PostgreSQL**, with authentication done using **JSON Web Tokens**. User photos are stored using **AWS S3**.

SKILLS

Languages

JavaScript, TypeScript, HTML/CSS, Python, C++, Java, C, C#, SQL

Libraries/Frameworks

Node.js, React.js, Next.js, Express.js, Flask, D3.js, Jest, Cypress

Tools/Platforms

Git, GitHub, BitBucket, Jira, Microsoft Office

Databases

MongoDB, PostgreSQL

Operating Systems

Unix/Linux