

Karan Sandhu

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Pronounced Kuh-run
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Available to start June 17th,
2025

Education

San Luis Obispo, CA

Cal Poly San Luis Obispo

Fall 2022 – Present

- B.S. in Software Engineering. Current GPA: 3.716.
- Relevant Coursework: Data Structures; Design and Analysis of Algorithms; Object Oriented Programming; Systems Programming; Software Engineering.

Technical Skills

- Languages: JavaScript, HTML, CSS, C, Java, SQL, Python
- Technologies: React, ReactNative, Node.js, Express.js, REST
- Tools: Git, Azure, AWS, Unix, Jira
- Programs: Microsoft Office, Google Suite
- Operating Systems: Windows, MacOS, Linux

Projects

FoodFunds

Creator

- Developed **FoodFunds**, a grocery spending tracker with a **ReactJS** frontend using **Chakra UI** and an **Express.js** backend integrated with a **Supabase** database.
- Implemented **CI/CD** pipelines through **Azure**, using a **Static Web App** for the frontend and a **Web App** for the backend, automating builds, tests, and deployments through **Github Actions**.
- Gained expertise in configuring **YAML** files and managing workflows to ensure efficient and reliable deployments.
- Designed the app to track grocery spending, item details, expiration dates, and other useful info with real-time updates to the dashboard.

Haggle

Co-Creator

- Developed an online marketplace using React with **Primitive UI** and an **Express.js backend** with a **PostgreSQL** database through Supabase.
- Integrated **AWS S3** for image storage.
- Utilized **TalkJS** API for chat messaging between users.
- Validated backend functionality with Mock testing and worked in a team using **Agile** methodologies to collaborate efficiently with a 5-person team.
- Deployed application using Github CI/CD workflows with hosting on Azure and Render

Calculator

- Developed a Java-based calculator app utilizing the Composite design pattern.
- Implemented a user-friendly UI that supports postfix and prefix input, and creating variables with stored values.
- Validated the application's core logic and functionality through comprehensive testing.

Employment

Student Lead

Cal Poly ITS Service Desk

Winter 2024-Present

Led student assistants in managing and creating Jira tickets to track and resolve tech issues efficiently. Oversaw hardware and software troubleshooting across different systems and guided the team in helping students and faculty with software installations, ensuring smooth and clear support.