

# SUBHAN BAIG

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## Education

### University of California, Davis

*Bachelor of Science in Computer Science*

**Graduation Date: December 2024**

*Davis, CA*

## Experience

### Robinhood

*Software Engineer Intern*

**June 2024 – Current**

*Menlo Park, CA*

- Incoming Software Engineering Intern @ Robinhood

### UC Davis IET

*Cloud Engineer Intern*

**October 2023 – Current**

*Davis, CA*

- Developing API integrations and cloud application solutions using **AWS**, including **Lambda functions, S3, and API Gateway**, to enhance the connectivity and functionality of campus services

### UC Davis Department of Neurology

*Software Engineer Intern*

**Jun 2022 – Aug 2023**

*Davis, CA*

- Architected a speech-to-text feature in a web application for people with Alzheimer's to better remember their tasks
- Built a REST API in **Python & Django** which enables users to send audio from an Apple Watch to an SQLite server
- Implemented a dashboard feature using **Javascript & React** that displays the transcribed text from the Apple Watch

### Codelab

*Software Engineer Intern*

**January 2022 – June 2022**

*Davis, CA*

- Built a full-stack mobile application to recommend local restaurants to users by following Agile workflow in a team
- Coded a custom recommendation engine with **TypeScript** & Yelp's API to filter restaurants based on user preferences
- Reduced external API requests by over **70%** by integrating a caching layer using **Node.js** and **MongoDB**, ensuring improved service availability
- Built the game swipe feature in **TypeScript & React Native** for users to choose the restaurant they wanted to eat at

### ASUCD Pantry

*Software Engineer Intern*

**January 2022 – March 2022**

*Davis, CA*

- Revamped the food pantry's e-commerce store, providing access to **40,000** students at UC Davis in need of groceries
- Reduced wait times by over **80%** by utilizing **Javascript and React** to create a scheduling system for users to select a time slot to pick up groceries
- Built the backend with **Python and Django**, which included transferring the orders to a **Postgres** database across a **RESTful API** and an inventory system that consisted of the products in stock

### Mountain House Muslim Association

*Software Engineer Intern*

**September 2021 – December 2021**

*Mountain House, CA*

- Developed a membership platform for a local organization with **1,000** members to encourage community participation
- Increased community membership enrollment by **50%** and strengthened the organization's budget by over **\$500,000** through creating REST APIs for processing payments and event signups using **Node.js, Express, and Stripe's API**

## Projects

**Mentastic** | *Javascript, React, CSS, Node.js, Express.js, MongoDB, Twilio API*

- Created a mental health tracking web app using **Javascript and React**, which won **1st place at HackDavis**
- Built a REST API in **Node.js & Express** that saves the user's account information and data in **MongoDB**

**AlertMe** | *TypeScript, React Native, Java, Spring Boot, MySQL, Google Maps API*

- Developed a mobile app that lets users report incidents nearby so that others can be aware of potential safety threats
- Leveraged **TypeScript, React Native, & Google Maps API** so that users would only be notified of nearby events

## Technical Skills

**Languages:** Python, Javascript, TypeScript, C++, C, Java, HTML, CSS, SQL

**Frameworks:** React, React Native, React Redux, Angular, Node.js, Express.js, Django, Spring Boot

**Technologies:** MongoDB, MySQL, Kubernetes, Linux, Jira, Docker, Git, AWS, REST APIs