

Mihir Gupta

San Diego, CA

☎ (858) 275-4018 | ✉ m9gupta@ucsd.edu | 🏠 www.mihirgupta.dev | 📷 gmihir | 🌐 mihir-gupta

Education

University of California San Diego

B.S. IN COMPUTER SCIENCE, MINOR IN BUSINESS

- GPA: 3.93

San Diego, CA

Sep. 2019 - June 2023

Experience

Amazon

INCOMING SOFTWARE DEVELOPMENT ENGINEER INTERN

Seattle, WA

June 2022 - September 2022

UCSD Mobile

MOBILE DEVELOPER

San Diego, CA

May 2020 - Present

- Implemented various features on official UCSD mobile app with over 42,000 users using **Flutter**, API microservices, and **AWS**.
- Built COVID-19 test scanner, expanding UCSD testing capacity and directly enabling 97% increase in test volume from Fall 2020 to Winter 2021.
- Delivered various new features with complete implementations such as Student ID, campus announcements, shuttle availability, etc.
- Identified areas of improvement in existing codebase and implemented optimizations to decrease app loading time by >35%.
- Wrote various **RESTful API microservices** using **AWS Lambda** and **Node.js** to support new feature development.

CarMax

SOFTWARE ENGINEERING INTERN

Richmond, VA

June 2021 - August 2021

- Developed a tool for employees to track, diagnose, and resolve customer credit/debit/ACH payment issues using **C#/.NET**, **React**, and **Azure**.
- Implemented several API microservices to fetch and process data with **C#/.NET**, interacting with **Azure CosmosDB** and Application Insights.
- Wrote unit tests for API microservices with XUnit (C#), integration tests with Postman (JavaScript), and unit tests for frontend with Jest (Node.js).
- Built responsive frontend with intuitive design following internal CarMax design philosophies using **React**, **JavaScript**, **HTML/CSS**.

Skills

Languages Java, JavaScript, Python, C#, Dart, C, C++

Cloud AWS Lambda, Azure Functions, Azure DevOps, Azure Pipelines, Azure Cosmos DB, AWS S3, Microsoft SQL Server

Backend Flask, AWS Lambda, .NET, Azure Functions, Node.js, REST API design

Frontend React, Flutter, Material-UI, Adobe XD, HTML/CSS

Projects

College Aggregation, Search, and Application Web Application

COLLEGE SHARK (WWW.COLLEGE-SHARK.COM)

San Diego, CA

December 2019 - Present

- Launched web application using **Flask (Python)**, **React**, **Microsoft SQL Server**, and **Firebase** to optimize the college application process.
- Designed and wrote Flask API in Python to efficiently query SQL database with various search parameters and parsed results for frontend.
- Accelerated development by learning **React**, **HTML**, and **CSS** to increase collaboration between team members and deliver faster.

Car Comparison Service

FINALIST AT CARMAX COMPANY-WIDE HACKATHON

Richmond, VA

August 2021

- Implemented web crawlers using **Puppeteer (Node.js)** to scrape competitor and appraisal websites (KBB, Carvana, etc.) to derive real-time market conditions for specific vehicles in CarMax inventory.
- Leveraged serverless technology (**Azure Functions**) to run crawlers at scale, demonstrating enterprise viability of idea.

Vaccine Twitter Bot

VAXBOT SAN DIEGO (@VAXBOTSD ON TWITTER)

San Diego, CA

March 2021 - July 2021

- Wrote a bot to check and alert users regarding COVID-19 vaccine availability at CVS, Walgreens and Vons using **Python** and Twitter API.
- Leveraged **Heroku** to deploy and host this application, allowing for rapid polling and minimal downtime enabling quick and reliable updates.
- Helped 50+ friends/family and Twitter users find COVID-19 vaccine appointments in San Diego County.