

# Madhavi Jaival

📍 Sunnyvale, CA, 94086, United States    📞 4804529787    in LinkedIn    🐙 Github    ✉ madhavi.jaival113@gmail.com

## EDUCATION

**California State University, Northridge**, Masters in Computer Science Jan 2021 – Dec 2022  
Coursework: Advance Data structure and Algorithm, Advance Software Engineering, Web Engineering, Advance Computation Theory, Data Mining, Advance computer Network, Computer Security, Advance Web Engineering (AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1 📄)

**Savitribai Phule Pune University, Pune, India**, Bachelors in Computer Engineering Aug 2016 – Jul 2019  
Coursework: Data Structure and Algorithm, Cloud Computing, Object-Oriented Programming, Web Technology, Software Architecture & Design, Database Management System.

## PROFESSIONAL EXPERIENCE

**SubmitIt, Los Angeles, CA**, Software Developer Intern Jan 2022 – present

- I work on **HTML**, **CSS**, and **JavaScript** modifications to speed up website loading and surfing.
- Developing a backend using **Prisma**, **MySQL**, and **TypeScript** to manage varying levels of traffic on the website.
- Working on **Postman** to validate the API endpoint and keep the API up to date.
- Develop performance and reliability tests for internal applications.
- Deploy the applications on **AWS ECS Fargate** using **docker**.

## PROJECTS

**Chaos Engineering with Serverless**, (JavaScript, AWS, EC2, VPC, S3, DynamoDB, API's) Jan 2022 – present

- In this project, I am currently working on the AWS lambda function, where I am performing load tests and various benchmarking for the chaos experiment.

**Map Quiz using Google map API**, (JavaScript, HTML, CSS) Nov 2021 – Dec 2021

- The application was created in JavaScript, CSS, and HTML using the Google Maps API's built-in functions.
- It is an interactive website where visitors may identify the place, answer the quiz questions, and obtain the results.

**Stream Search Web Application**, (JavaScript, HTML, CSS, AWS, Agile) Sep 2021 – Dec 2021

- This project was developed using the Scrum framework. It simplifies the process of selecting content to watch from multiple streaming services such as Netflix, and Amazon Prime.
- We employed the Streaming Availability API for this project, and the frontend code was written in JavaScript, CSS, and HTML. We used AWS's DynamoDB and Lambda services in the backend.

**CalKart E-commerce Website**, (Angular, JavaScript, HTML, CSS, TypeScript) Aug 2021 – Dec 2021

- This web application is a prototype of the Flipkart website, with the customer, seller, and admin personas covering most of the real Flipkart application's functions.

**Accident prevention by drowsiness detection system** Jun 2018 – May 2019

- Using image processing and computer vision libraries of **OpenCV** eye movement were recognized. As a frontend, we used **Java** and **Python**, for data storage purposes **MySQL** was adopted and we used **Raspberry Pi Zero** to pack a full computer into a single board.

## SKILLS

- |  |   |
|--|---|
| • Programming Languages: JavaScript   Java   C++       | • Frontend: Angular   Vue.js   HTML5   CSS3   React   Agile |
| • Backend : AWS   REST API   MySQL   Node.js   Postman | • Source Control: GitHub   Confluence   Trello   Figma      |
| • IDE: IntelliJ IDEA   Eclipse   VScode   Glitch       | • OS: Linux   Windows                                       |

## VOLUNTEER EXPERIENCE

**Association for Computing Machinery, CSUN**, Public Relations

- As a Public Relations Coordinator, I maintain the public face of the ACM chapter through advertising, social media, and e-mail.

## PUBLICATIONS

### Accident Prevention by Drowsiness Detection using Machine Learning

- Presented a research paper entitled "Accident Prevention by Drowsiness Detection using Machine Learning" at International Conference on Recent Innovations in Engineering and Technology (ICRIET-19). Paper ID CO008, February 2019