**MAYANK PADSHALA**

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***EDUCATION***

**M.S. Software Engineering,** San Jose State University, **GPA: 3.8 Aug 2018 - Aug 2020**

**Coursework:** Enterprise Distributed Systems, Big Data Analytics.

**B.Tech Computer Science & Engineering,** IIIT-Vadodara, **GPA: 3.2 May 2014 - Jun 2018**

**Coursework:** Object-Oriented Programming Language Java, Data Structures & Algorithms, Artificial Intelligence.

***SKILLS***

Programming Languages : Python, Java, PHP.

Web Technologies : JavaScript, ES6, jQuery, NodeJS, ReactJS, Redux, Bootstrap, MaterialUI,

PassportJS, Apache Kafka.

Databases : MySQL, Sequelize, MongoDB, Mongoose.

Frameworks & Tools : Amazon Web Services, Git, Octave, Android Studio.

***WORK EXPERIENCE***

**SJSU,** Graduate Research Assistant - *Android Development, Python GUI* **Fall 2018**

* Designed and created an android application with firebase for reselling of products on a large scale.
* Made python software using Tkinter to calculate the efficiency of civil engineering tools using linear regression.

**Novus Logics,** Ahmedabad, India. - *Software Engineering Intern* **Winter 2018**

* Built a product management tool using MERN stack and used nginx server.
* The tool helps in keeping track of ongoing projects and upcoming or completed projects and it also allows to schedule a meeting with any member in the company and allows user to view the scheduled meetings.

**Mindinventory,** Ahmedabad, India. - *Android Developer Intern* **Winter 2017**

* Built scalable app using standard android development practices for fitness enthusiasts to collaborate and track their fitness activities.
* Participated in fast-paced development cycles; completed 100% of deadlines ahead of schedule by prioritizing tasks.

***ACADEMIC PROJECTS***

**Quora Prototype (MERN Stack) Spring 2019**

* Designed and build a scalable web application for users to ask questions and post answers.

**Technologies /Tools:** MongoDB(Atlas), Express, ReactJS/Redux, NodeJS, MySQL, PassportJS, Mongoose.

**Prototype of Canvas application (MERN Stack) Spring 2019**

* Designed a scalable web application for institutional purpose where faculty can create a course and students can enroll.
* Faculty has the options to post announcements give assignments conduct quizzes and update students marks.
* Improved performance significantly with the help of messaging queue, SQL Caching and Connection Pooling

**Technologies /Tools:** Mongo DB, Express, ReactJS/Redux, NodeJS, MySQL, PassportJS, Mongoose.

**Cross Domain Enterprise Online Marketplace** ( [www.mayankpadshala.com/KawaiiShop](http://www.mayankpadshala.com/KawaiiShop) ) **Fall 2018**

* Designed and built a cross domain marketplace where a user can login and search for items from different websites.
* The website was able to track the user throughout the session and provide recommendations.

**Technologies /Tools:** PHP, MySQL, HTML, CSS, Bootstrap, JavaScript. Deployed on AWS ec2 instance.

**AI-based Application Testing Fall 2018**

* Created a conventional test design strategy that included test requirements & models to generate effective test cases.
* Designed AI Functions test requirement & made a 3D classification Decision Table to document all the test cases.
* Designed functions Input/Output & Event/Action classifications & included testing quality assurance results & metrics.