

# MAYANK PADSHALA

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Actively Seeking Software Summer Internship for Summer 2019.

## 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

Languages	:	Python, Java, PHP.
Web Technologies	:	JavaScript, ES6, jQuery, NodeJS, ReactJS, Redux, Bootstrap, HTML5, CSS3.
Databases	:	MySQL, MongoDB, Sequelize.
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 app that could sell used phones on a large scale.
- Build API to dynamically display contents and update the app on the go.
- 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**

- Developed Management Tool in ReactJS for achieving effectiveness and productivity in the company.
- Designed the Architecture and Use cases of the project for the client.
- Made API for dynamically displaying contents and ensured the application is properly integrated with the API.
- Communicated effectively with the client to understand the requirements for the project.

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

**Winter 2017**

- Contributed in creating developing ideas for designing new feature product specification.
- Used best practices of Android App development and built scalable apps with Adapters and RecyclerViews.
- Made API for the app to dynamically display contents in the app.
- Participated in fast-paced development cycles; completed 100% of deadlines ahead of schedule by prioritizing tasks.

## ACADEMIC PROJECTS

**Prototype of Canvas application (MERN Stack - Sequelize)**

**Spring 2019**

- Created application that allows sign up as faculty & student. The faculty can create a course & student can enroll.
- Student can search & enroll into any available course created by faculty and can also drop course at any time.
- Student is able to search a course, enroll for a course, drop a course and waitlist a course when full.
- Student and faculty is able to view all courses enrolled and created by them respectively.
- Faculty is able to create an assignment and quiz and student is able to take the quiz and see the marks of quiz.

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

**Fall 2018**

- Contains website from different domains and has a common user that has access to all the companies websites.
- Tracks where the user has visited within the marketplace. User is able to add, review and rate any product/service.
- Displays top five products from each company and top five products in the entire marketplace.

**AI-based Application Testing**

**Fall 2018**

- Created a conventional test design strategy that included test requirements & models to generate effective test cases.
- Designed the AI Function test requirement analysis using Scenario Tables/Diagrams.
- Made a 3D classification Decision Table to properly document all the test cases and the corresponding output.
- Designed AI functions Input/Output & Event/Action classifications. Included AI testing quality assurance results & metrics.
- Included AI testing quality assurance results with metric.

**Interfacing Arduino Uno with Hardware** (Arduino Language)

**Fall 2017**

- Operate electrical loads using relays interfaced to an Arduino through remotely operated commands.
- Operate motor controlled railway level crossing gate prototype operated by an Android application.
- Operate a pump of automatic irrigation & Calculate the speed of a vehicle on road.