

HARSHIL SHAH

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Education:

Master of Science in Software Engineering

San Jose State University, San Jose, U.S.

GPA : 3.56/4.0

Jan 2020 - Expected Dec 2021

Bachelor of Technology in Information Technology

Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar

CPI : 8.51/10.0

Aug 2015 - jun 2019

Technical Skills

- Programming Languages: C, C++, Java, PHP, Python
- Web-Development: HTML/CSS, JavaScript, Angular, JQuery, Bootstrap, React, Redux, Node.js, Flask
- Distributed Streaming : Kafka
- Cloud: Firebase, AWS
- Database : Ms-Access, MySQL, MongoDB, Redis
- Operating System: Windows, Linux
- Mobile Applications: PhoneGap (Apache Cordova)
- IOT: Arduino, ESP32, RaspberryPi
- Testing : JUnit, Mocha, JMeter, JavaScript Testing

Internship

Software Intern, Mobile App Development

22nd May 2017 - 30th June 2017

- Company: Eleiss (Surat, India)
- Developed applications with reusable code for accessing various features like camera, battery status, sharing via other application, etc. using PhoneGap/Cordova plugins, AngularJS, JQuery, PHP, gulp.js, Git/GitLab maintaining industry standards in order to save time for future usage and make the app development more efficient.

Software Intern , Internet of Things

1st January 2019 – 15th April 2019

- Company: Eleiss (Surat, India)
- Development of IOT based serverless call scheduling system using Angular, JQuery, Git/GitHub, Firebase, Raspberry Pi and GSM module with Industrial Standards.

Academic Projects

1. Project Monitoring and Management System (PMMS)

January – June,2018

PMMS portal helps the students to get appropriate help and mentoring online and to help them work more systematically on their project. Developed using PHP and MySQL

2. Smart Farm

July – December,2018

An IOT based smart farming android application developed with Cordova, which will be helpful to remotely control a farm and give appropriate suggestions for farming. ESP32 Microcontroller was used.

3. Simulation of Amazon (E- Commerce Site)

January - May,2020

Developed Replica of Amazon. Replica was developed in MERN stack and also used Apache-kafka , passport.js.

4. UML Parser

April - May,2020

Convert Java Source Code to UML Class Diagram. Parser written in python

5. Smart Traffic Light

January - May,2020

Detect vehicles on a Cross Road and Dynamically set Traffic Light Timers based on the volume of Traffic. Detection was done using the YOLO algorithm.

6. Handshake Job Hunt App Clone

January - May,2020

Developed Replica of Handshake job hunt website using MERN stack and also used Apache-kafka , passport.js

7. Starbucks Mobile App Simulator

January - May,2020

Developed terminal simulation of Starbucks Mobile App implemented in java where a user can login, set 4-pin or 6-pin password, add a new card for payment, check balance, pay bills and related functionalities. Used various design patterns in java to provide a reusable solution for the commonly occurring problem in software design.