

Harshil Shah

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EDUCATION

San Jose State University

Master of Science Software Engineering

Expected Dec 2021 | San Jose, CA

GPA : 3.56 / 4.0

Birla Vishvakarma Mahavidyalaya

B. Tech Information Technology

Jun 2019 | Vallabh Vidyanagar

CPI : 8.51 / 10.0

SKILLS

Languages :

C, C++, Python, Java

Web Development & Frameworks :

PHP, Angular, Node.js, React.js, Express.js, HTML5, CSS, Bootstrap, Redux.js, Passport.js, JWT, GraphQL, Django, Flask, Spring.

Databases :

Ms-Access, MySQL, MongoDB, Redis

Cloud Technologies :

AWS (EC2, RDS, S3), Firebase (Cloud Functions, Realtime Database, Authentication)

IOT :

Arduino, ESP32, RaspberryPi

Other Tools and Technologies :

Numpy, pandas, scikit learn, Docker, Git, JUnit, JMeter, Mocha, Apache Cordova, Linux, Design Patterns, Agile Methodologies.

VOLUNTEERING

- Deployed, Managed & Developed Project Monitoring and Management System a.k.a **PMMS (php/mysql)** during undergrad studies.

EXPERIENCE

ELEISS | Software Engineering Intern

Jan 2019 – Apr 2019 | Surat, India

- Architected and Developed **Cloud** and **IoT** based **Call Scheduling System**.
- Tools: **RaspberryPi**, **GSM Module**, **Python**, **Angular**, **JQuery**, **Firebase** (Cloud Functions, Realtime, Authentication) **Database**, **Git/GitHub**.

ELEISS | Software Development Intern

May 2017 – Jun 2017 | Surat, India

- Developed **Hybrid Mobile Applications** with efficient and reusable code for accessing various features like camera, battery status, etc.
- Tools: **PhoneGap/Cordova** plugins, **AngularJS**, **JQuery**, **PHP**, **gulp.js**, **Git/GitLab**.

PROJECTS

UML Parser (python/javalang, yuml)

- A **UML Class diagram** generator for any **Java Source Code** with multiple files.
- **Javalang** library was used to parse java syntax and **yuml** to generate UML class diagram.

Traffic Governance System

(Python, YOLOv3, OpenCV, Flask, HTML, CSS, Docker)

- Built an intelligent system that deals with the flow of traffic at crossroads.
- With the help of cameras, it obtains the number of vehicles in each lane using **YOLOv3** and increase the timer for that and balance other lanes accordingly.

Amazon Prototype

(MERN Stack, Redux, Apache Kafka, MySQL, Redis,

Passport.js)

- Built a scalable and secure web-application similar to amazon.com with 10000 products in a team of five.
- Employed **Apache Kafka** cluster as a messaging system to decouple APIs and business logic which increased the efficiency of the system by 20%.
- Deployed on **AWS EC2** instance with Auto-scaling and Load Balancer for high availability.

Starbucks Mobile App Simulator (Java, Gradle, JUnit)

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