

# Saurabh Trivedi

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## Education

**Master of Science - Computer Science**, San Diego State University, California, USA Expected May-2019  
**Bachelor of Engineering - Information Technology**, Gujarat Technological University, Gujarat, India May-2017

## Technical Skills

Languages: Java(proficient), C, C++, C#(.Net), Python, Swift, PHP, HTML5, CSS3  
Web Technologies: J2EE, Spring, Spring Boot, JSP, Servlets, REST API, Foundation, bootstrap  
JS Frameworks/Libraries: JavaScript, TypeScript, Node, Express, Angular, jQuery, AJAX  
Database: MySQL, MongoDB, Firebase, AWS S3, JDBC, NoSQL, MySQL Workbench  
Tools & Technology: Android, iOS, Amazon AWS, Jenkins, Git, Selenium, Maven, Junit, Jira

## Experience

**Web Development Intern** | Qualcomm Incorporated, California, USA. Jun 2018 to Present

- Full stack web developer responsible for the end-to-end development of Qualcomm Onboard Portal.
- Creating Onboard Portal user-friendly and responsive using Ajax, jQuery plugins, Foundation and Bootstrap.
- Create database schema to achieve functionality and efficiency of infrastructure also handle database operations.
- Data manipulation with Encoding and Decoding also securing using hashing algorithms, encryption and decryption.
- Train and provide documentation on various features and technology to maximize operational efficiency.
- Test and deploy websites with version controlling using Git on Qualcomm GitHub.
- Write Python scripts to read and modify data from the Excel sheet.

**Web Developer** | Havmor, Gujarat, India. Jan-2016 to May-2017

- Developed large and complex web applications in IntelliJ IDEA using Spring, Spring Boot, Maven, JUnit.
- Collaborated with designers to create a clean interface and quality user experience with Angular & TypeScript.
- Complete detailed development task for front-end and back-end side of web applications using RESTful APIs.
- Performed Unit and Integration testing of the newly developed module by creating test plans, test cases, and scripts.

**Project Intern** | Renaissance Educare, Gujarat, India. Aug-2015 to Apr-2016

- Created an online Practice Test (GRE340) for Renaissance Educare using JSP and Servlets.
- Designed, developed and enhanced the look and feel using HTML, CSS and JavaScript, jQuery and Ajax.
- Gathered requirements in the early stages of the development process to build architecture for GRE340.
- Identified, documented and reported bugs, errors, interoperability flaws also executed unit test cases in JUnit.

## Projects

**Rest API Server** | Node, Express, Mongoose, MongoDB, Postman, OAuth, JWT, Passport-Authentication

Develop a full-fledged REST API server to implement the end-to-end solution integrating with JWT authentication.

**Face & Eye Detection** | Python, Cascade, SVM, OpenCV, NumPy, Cascade, Python Dlib API, Anaconda, Spyder

Prepared and compared the two models using well-known methods (Cascade, SVM) to detect face and eye in running car.

**Final Knife** | iOS, Swift, Firebase, NoSQL, and JSON

Developed an iOS application which store, edit and retrieve recipes from the database with user registration.

**Shopping App** | Android, Java, Firebase, NoSQL, and JSON

Developed a fully functional Android application to browse, search, filter and buy cameras.

**SDSU Class Registration** | Android, Java, Volley, NoSQL, JSON, IOS, Swift, and Alamofire

Designed Android and IOS application for SDSU Class Registration to view, filter, add and drop multiple class.

**Ball Game** | Android, Java, 2D graphics, Multi-touch, Multi-threading

An android app that lets the user create and move circles on the screen which bounce off screen edges.

**Online Camera Store** | Servlets, JSP, JavaScript, Ajax, and jQuery

Developed an online storefront for Cameras with detailed work on every feature.

## Relevant Courses

Android Mobile App Development, iPhone/iPad Mobile App Development, Theory of Parallel Algorithm, Web Technology, Object Orient Programming, Information and Network Security, Cloud Infrastructure and Services, .Net Technology, Big Data Analytics, Applied Computer Vision, Database Management System, Software Engineering.

## Workshop & Certification

**Server-side Development with NodeJS, Express and MongoDB** | The Hong Kong University

**Design Patterns** | University of Alberta

**Cyber Security Workshop** | Alpha College of Engineering and Technology