

# Harshil Patel

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## SUMMARY

Computer Science graduate with 1+ years of internship experience. Looking for an entry level position in software engineering to apply my academic, technical and internship skills towards the company mission

## EDUCATION

**California State University Los Angeles || M.S. Computer Science** Aug 2018 - Dec 2020

Coursework: Advanced Analysis of Algorithms, Advanced web programming, Advanced Database System, Data Science, Advanced Machine Learning, Advanced Information security, Advanced Software Engineering

**Gujarat Technological University || B.E. Computer Engineering** July 2013 - May 2017

Coursework: Analysis & Design of Algorithms, Data Structure, Web programming, C++, Operating System, Object Oriented Programming-JAVA, J2EE, Database Management, Systems Programming, Computer Architecture & Networks

## SKILLS

- **Languages& Frameworks:** Python, JAVA, J2EE, PHP, JavaScript, jQuery, HTML5, CSS3, Bootstrap, MySQL, AngularJS, React, Hibernate, JSP, Servlet MVC, C, C++, Oracle, Pandas, NumPy, OpenCV, Keras, TensorFlow, Node.js
- **Tools & Technologies:** Eclipse, Visual Studio Code, NetBeans, Jupyter Notebook, Anaconda-Navigator, Dreamweaver, Turbo C Apache Tomcat, SQL Server, Glassfish, WampServer, Git, Jenkins, JIRA.

## EXPERIENCE

**Web Developer Intern at Tristate Technology, India** June 2017 - Dec 2017

Tools and Technologies: PHP, JavaScript, AngularJS, HTML5, CSS3, MySQL, Visual Studio Code, WampServer, Git, Jenkins, JIRA

- Developed a single page application, implementing scalable and maintainable system and functionalities using HTML5, CSS3, MySQL, AngularJS
- Developed an efficient Administration module to manage the web application dynamically
- Debugged the application form inputs on frontend with PHP & JavaScript

**Software Developer Intern at Sculptsoft, India** June 2016 - April 2017

Tools and Technologies: Java, JSP, Servlet, NetBeans, Hibernate, MySQL, JavaScript, HTML5, CSS3, Bootstrap, Git, Jenkins, JIRA

- Developed REST APIs for several applications using JavaScript. These APIs were further used by Java developers
- Involved in multiple phases of Software development life cycle including design, development, testing and maintenance
- Developed and tested web application called Lease Management System based for a real estate agency using Java with Hibernate frameworks on frontend and MySQL on backend
- Implemented web features with JSP, Servlet and webpage design with HTML5, CSS3, Bootstrap

## ACADEMIC PROJECTS

**Face Recognition Model** Jan 2020 - May 2020

Technologies Used: Python, Jupyter Notebook, OpenCV and Keras Library, TensorFlow

- Developed a Machine Learning model for Face Recognition using Python
- Implemented using OpenCV Library and Keras Library running on top of TensorFlow
- Used a data set of 200K human photos during training and testing of the model for Gender classification

**Secure Election System** Mar 2020 - May 2020

Technologies Used: Java, Apache Tomcat, Eclipse IDE

- Developed a JAVA application called Secure Election System, to provide a secure way to vote electronically
- Implemented two central functionality - Central Tabulating Facility (CTF) to count the votes and Central Legitimization Agency (CLA) to certify the voters
- Used RSA algorithm for encryption and decryption, HashMap for storing key and value pair, Tomcat for connection stability

**New York City Taxi Fare Prediction Model** Aug 2019 - Dec 2019

Technologies Used: Python, Jupyter Notebook, Pandas Library and NumPy Library

- Developed a data set driven model using Python for New York city taxi fare prediction
- Implemented logistic regression, feature matrix and label vector using Pandas and NumPy libraries
- Used a data set of New York City yellow cab to train the model, then check prediction results on a test data set. You can get a basic fare estimate of trip in a Root Mean Square Error (RMSE)

## ACTIVITIES

- Member at Chapter of ACM (Association for Computing Machinery) Cal State University LA – Utilized Front-end web development knowledge to contribute in website development using HTML5, CSS3 and Bootstrap
- Volunteer at nonprofit YUVA Unstoppable, Ahmedabad, India – Taught computer technology to underprivileged children
- Member of White Oak club at Gujarat Technological University's Silver Oak College of Engineering and Technology Ahmedabad, India – Learned virtual reality concepts