

# Soham Jignesh Chitalia

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## EDUCATION

**University of Southern California**

Aug 2019 – May 2021

*Master of Science in Computer Science*

**CGPA 3.65/4**

**Dwarkadas J Sanghvi College of Engineering**

Aug 2015 – May 2019

*Bachelor of Engineering in Computer Engineering*

**CGPA 9.43/10**

## SKILLS

**Programming Languages**

Python, Java, C

**Web Technologies**

HTML5, CSS, Bootstrap, JavaScript, jQuery, AJAX, JSON, AngularJS, ReactJS, Flask, PHP, MySQL, MongoDB, Android Application Development

**Coursework**

Analysis of Algorithms, Cloud Computing, Distributed Databases, Web Technologies, Data Structures, Database Management Systems,

## WORK EXPERIENCE

**Quickwork Technologies | NLP and AI Intern**

June 2018 – Aug 2018

- Devised a scalable chatbot based performance evaluation system to track employee performance using NLP
- Created RESTful APIs in Java for automated insertion of Facebook messenger chat data into Mongo DB collection
- Designed, implemented and debugged APIs for Zammad, EspoCRM and Line messenger with Postman
- Efficiently used Elasticsearch and Mongo DB for troubleshooting and solving problems related to context handling, context switching and question recommendation in chatbots

**The Pixel Factory | Web Developer Intern**

May 2017 – June 2017

- Developed a responsive website for chocolate retailer using HTML, CSS, Bootstrap, Javascript and AngularJS
- Created a unique user experience by incorporating Google maps to show the origin of different chocolates.

## PROJECTS

**Android News App | Java, NodeJS**

- Designed and developed an android app to show latest weather information from OpenWeatherMap API and latest news from Guardian API. The app has a feature to bookmark news articles or share them on twitter.
- Used the Google Trends API and MPAndroidChart to graph the latest trends about keywords searched by users.
- Implemented the Bing autosuggest API in the search bar to assist users who are searching for news related to a specific keyword.

**News Website | ReactJS, NodeJS**

- Built a responsive website using ReactJS to show latest news across different categories from New York Times and Guardian APIs using NodeJS. Users can also share any article through email, Facebook, or Twitter.
- Implemented an asynchronous select option to allow users to search for news based on a particular keyword.
- Developed a feature that allows the users to comment on news articles and bookmark news articles which will be retained when the user returns to the website later.

**Optimization of Taxi Revenue | Machine Learning, Reinforcement Learning**

- Coded a Reinforcement Learning algorithm in Python to optimize the revenue of taxi drivers by guiding them to appropriate locations for the next pick up, thereby reducing passenger seeking time and expenditure on fuel
- Employed the Q-learning algorithm to dynamically increased the availability of taxis to customers during peak hours without surge pricing.

**Art Gallery Website | Laravel, PHP, AJAX, JavaScript**

- Collaborated with my team to develop an art gallery management system in Laravel and MySQL
- Used HTML, CSS, JavaScript and jQuery to build the UI and AJAX to fetch updated bid values for the live auction.

## EXTRA CURRICULARS

- Leading a team of 7 volunteers as the deputy director of technology at Association of Indian students at USC
- Shortlisted among the top 10 teams at Hack Infinity hackathon organized by DAIICT and Budget bot hackathon
- Volunteered with DJ NSS (National Service Scheme) to conduct events for helping the underprivileged