# Raj Patel

Los Angeles | (213) 378-9577 | rajshail@usc.edu | https://www.linkedin.com/in/raj214/
https://github.com/raj1998 | https://raj1998.github.io/

## EDUCATION

**University of Southern California**, Los Angeles, CA                              August 2019 - May 2021
- Master of Science in Computer Science
- Courses: Analysis of Algorithms, Foundations of Artificial Intelligence

**Gujarat Technological University (Alpha College of Engineering)**, India          August 2015 - May 2019
- Bachelor of Engineering (B.E), Computer Engineering                                        GPA: 9.16/10

## TECHNICAL SKILLS

- **Languages**: Python, PHP, Java, C, C++, JavaScript, HTML, CSS
- **Databases**: MySQL, SQLite
- **Libraries, Frameworks and Tools**: Django, Flask, React-Native, React.JS, Bootstrap, jQuery, Keras, Git, Sass, Servlet, JSP, Expo

## WORK EXPERIENCE

**Software Engineer Intern, Brainasoft**, India                              February 2019 - June 2019
- Development of RESTful APIs for the company's products using Python-Flask and PHP to add 5-10 new features.
- Created a marketplace full stack mobile application in React-Native with PHP backend.
- Python Web Scraping with Beautiful Soup 4.
- Designed an affiliate marketing system with user dashboard in PHP, MySQL to increase the number of sales, where user can see the number of sales and number of unique visitors came from their URL. Which helped increase sale by 10-15%.
- Web designing in React.JS and Bootstrap 4 and code refactoring for the old design.

## PROJECTS

**Smart RSVP** (Python, Django, Bootstrap, ORM with SQLite3, Chart.js, Ajax)
- Developed a web app that counts event attendees using a QR code (Generated by Host) on invitation card
- Each QR code has a unique string generated by MD5 hash.

**React Native Signup Login Application** (React-Native, Expo, Python, Flask, MySQL, OAuth, JWT)
- Created using Expo and Python flask backend API which handles new user registrations and existing user login. It is an open source project that anyone can use for their project for signup and login functionality.
- Google OAuth is also supported in API. React navigation was used for navigation system.

**Image classification of distracted driver** (Python, Machine learning, Deep learning, Keras, CNN)
- Classified image of a driver and Model predicts activity of driver from ten classes (Ex. Safe driving, texting, calling etc.) using Convolutional Neural Network. Gained almost 98% accuracy on test dataset.

**Discussion Forum website** (Java, Servlet, JSP, DAO (Data Access Object))
- Developed a discussion Forum website in J2EE, Servlet and JSP. Hosted it for college students for 1 month.

**Smart Building - Society Management System** (PHP, MySQL database, Bootstrap)
- Performs alert broadcasting, maintenance payment reminder, automatic fine calculator for late payment of maintenance, event booking, etc.

## LEADERSHIP, ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Led a team in Hackathon organized by **GirlScript Foundation** (2017) and created a Smart Card based Health-Care management system using PHP and MySQL.
- Leader in 2 projects during bachelors with team size of five and two respectively (2018, 2019).
- Awarded **Certificate of Excellence Top Ranker** 2 times from **Dewang Mehta Foundation Trust** (2017, 2018).
- Amongst top 3 contestants in inter college coding competition organized by **Gandhinagar Institute of Technology** (2017).
- Member of BitFrames Club (A Computer Science club) at Alpha College of Engineering and Technology.

## CERTIFICATIONS

- Machine Learning by Stanford University on Coursera (October 2018)
- Deep Learning, a 5-course specialization by deeplearning.ai on Coursera (January 2019)
- Algorithmic Toolbox by University of California San Diego on Coursera (June 2019)
- FreeCodeCamp frontend Developer certificate (March 2018)