SACHIN HANUMANTHA REDDY

shanuman@usc.edu | sachinh2503@gmail.com | linkedin.com/in/sachin-hanumantha-reddy | github.com/sachinh2503 | (323)532-0457

EDUCATION

- Master of Science in Computer Science, University of Southern California   (Jan 2018 – Dec 2019)
- B.E in Computer Science, Ramaiah Institute of Technology, India   (Sep 2011 – June 2015)

COURSEWORK

Analysis of Algorithms, Web Technologies, Database Systems, Information Retrieval and Search Engines, Artificial Intelligence

TECHNICAL EXPERTISE

Languages	Java/J2EE, Python	**Web Technologies**	AngularJS, HTML5, CSS, Bootstrap, PHP, jQuery, JSON
Frameworks	Angular, TestNG	**Cloud Technologies**	Amazon Web Services
Databases	MySQL, PostgreSQL	**Test Automation**	Appium, Selenium, SauceLabs, Perfecto
Other	Android, REST API, Git, JIRA, Jenkins, BDD		

WORK EXPERIENCE

**Software Developer in Test, Honeywell Technology Solutions, India | (*Java, Appium, TestNG, Perfecto, SauceLabs)*   (Aug 2015– Nov 2017)

- Automated mobile app features such as Geofencing, Alerts and Push notifications, Temperature regulation etc. across Android and iOS platforms to control Thermostats and other Home-kit devices installed at home and buildings.
- Created Unit and Functional test cases using **BDD**, automated using **Java**. Enhanced a custom **TestNG** framework to achieve 80% reusability. Achieved 90% test code coverage and test accuracy with robust and reliable results.

**Software Developer Intern, Honeywell Technology Solutions, India | (*Android, MySQL, PHP, REST-APIs)*   (Mar 2015 – Jul 2015)

- Developed an Android app **CARS (Centralized Access Request System)** with a dashboard for manager-level employees to view the requests and pending actions on them.
- Built the app, database and services to view the hierarchy involved in the list of requests along with the details. Integrated an alert system with **Push Notifications** to remind the managers to take necessary timely actions. The app was used by Honeywell internal ACS domain employees.

**Student Nokia Developer, Nokia, India | (*Android, HTML5, PHP, OAuth, REST-APIs)*   (Jun 2014 – July 2014)

- Developed an Android application with an interface to write complaint and rate the issue along with Google maps to pin-point the location to be considered for pollution and environmental issues.
- The app was part of Nokia Store applications.

PROJECTS

**Travel and Entertainment Search | (*HTML5, CSS, Bootstrap, AngularJS, PHP, jQuery, JSON, REST-APIs, Android)*   (Mar 2018 – May 2018)

- A web application hosted on **AWS** for getting a list of places like Cafés, Museums, Bus Stations, Schools etc. within a certain radius of user specified location and inputs. The app is used to get ratings, user reviews, place details for any selected place from **Google and Yelp APIs** with **NGINX** server setup as a reverse proxy server.
- Android app with the similar backend services was developed. Features like favorites, sorting user reviews were added.

**TICKETR | (*Python, MySQL, HTML, CSS)*

- A web-based application for ticketing movies and events based on the schedule planned by the user for his/her activities over the day, week or month.
- The app was used with third-party APIs to expose the seat availability for the events and to send a confirmation of the registration to the user's Gmail account.

**MyPart | (Android, MySQL, PHP, OAuth*)*

- A location-based drugs and other illegal-activities reporting Android app through rating or complaining along with Google map interface to search and locate the place. The app is available in the Google Play Store.

**BLRPollutionRater | (*Android, HTML5, CSS, PHP, MySQL, OAuth)*

- The app will be used by **Pollution Control Board** in one of the major cosmopolitan cities in India to take necessary actions and precautionary measures based on multiple user inputs for pollution/environment conditions for a specific area.

**PROREC | (*Java, MySQL, Servlets)*

- Built an intelligent online product recommender/purchase store for a user to get recommendation for products to purchase online based on his/her health conditions given as an input to the system.
- Trained the model with large datasets to smartly recommend the products to a user with ~80% accuracy.

AWARDS and EXTRA CURRICULAR

- **SILVER AWARD (Honeywell)** Provided ~90% test automation coverage which helped Jasper product to release on time without hurdles.
- **STAR AWARD (Honeywell)** Setup CI/CD which made end-to-end automation testing possible on a daily build basis for Lyric product.
- Conducted Android beginner workshop hosted by IEEE, SIT, India. Trained 30+ students with a hands-on session.