

Rohit Sahasrabuddhe

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EDUCATION

Master's in Computer Science

CGPA 3.54/4.0

University of Southern California, Los Angeles, California.

May 2019

Courses: Analysis of Algorithms, Foundation of AI, Machine Learning, Database Systems, Robotics

Bachelor's in Computer Science and Engineering

CGPA 9.06/10.0

S.G.G.S. Institute of Engineering & Technology, Maharashtra, India.

June 2015

SKILLS

Programming

Java, JavaScript, Python, HTML, CSS (Proficient)

C, PHP, C#, ASP.NET, VB.NET, COBOL (Familiar)

Database

MySQL, Mongo DB, Oracle 11g, PostGIS, NoSQL

Servers, Frameworks

NodeJS, TensorFlow, AngularJS, Bootstrap, Android SDK, Git (Proficient)

& Tools

AWS, Flask, Spring, Hibernate, Struts (Familiar)

WORK EXPERIENCE

Student Software Engineer

Jan 2018 - Present

USC Cancer Research Informatics Core, Los Angeles, CA. (9 Months)

- Developed **data analytical tools** which helped researchers analyze cancer patient data.
- Created **custom applications**, databases, surveys and **websites** for multiple cancer research groups to enable efficient reporting and analytics on various cancer studies.

Software Engineer

Sept 2015 - Aug 2017

Tata Consultancy Services, Hyderabad, India. (2 Year)

- Delivered a **big data** processing application for client using **Hadoop MapReduce** technology.
- Developed a **Java web** application using **Spring MVC** and **Hibernate 3** frameworks to view high level data related to all products manufactured at plant.
- Implemented **software enhancement** on quarterly basis to **upgrade and improve performance** of existing application.
- Deployed **automated shell scripts**, using **cron** jobs on **Unix data servers** to minimize manual efforts invested in maintaining and supporting applications.
- Maintained applications with different architectures and technologies on day to day basis.

PROJECTS

Real Time Car Parking Finder: IoT Application

Sept 2018 - Present

- Designing server side architecture for **IoT** based application using **AWS** and **NodeJs**.
- Building an Android application to visualize available parking space using Google Maps APIs.

Handwritten Digit Recognizer: Web Application (GitHub: <https://git.io/fNvEH>)

June 2018 – July 2018

- Trained **CNN model** to classify digits 0-9 using **MNIST** dataset and **TensorFlow**.
- Integrated the trained model on **flask** web app to classify user drawn images.

Multipurpose Chatbot: Web Application (GitHub: <https://git.io/vpjYu>)

April 2018 - May 2018

- Developed a **chatbot** using **chatterbot** python **api** and **node.js** for different business models.
- Extracted and analyzed **dialog flow** to **train models** according to business requirements.

Super Fruit Riot: Android Game (GitHub: <https://git.io/vNkCJ>) (2 Team members)

Oct 2017 - Jan 2018

- Built a **mobile game** like Candy Crush using **Android** Studio, where the user plays against an **AI agent**.
- Programmed an **Intelligent Agent** which dynamically selects next move depending upon current state and time remaining.

Icon3C: Website (GitHub: <https://git.io/f4b9h>)

Dec 2014 - Jan 2014

- Launched a website** for International Conference using **PHP, HTML, CSS & JavaScript** providing researchers online platform to participate in conference.

Nanded City Guide Android Application (3 Team Members)

Jun 2014 - Nov 2014

- Designed a **GPS** based **Android** application to locate nearby public services.