

Rohit Sahasrabuddhe

721 W. 30th Street, Apt.5,
Los Angeles, CA 90007. (213) 291-4616.
Email: rohitsahasrabuddhe@gmail.com

Portfolio: www.rohitsahasrabuddhe.com
LinkedIn: [linkedin.com/in/rohit-sahasrabuddhe](https://www.linkedin.com/in/rohit-sahasrabuddhe)
GitHub: github.com/RohitSahasrabuddhe

EDUCATION

Master's in Computer Science

CGPA 3.62/4.0

University of Southern California, Los Angeles, California.

May 2019

Courses: Analysis of Algorithms, Foundation of AI, Machine Learning, Database Systems, Information Retrieval, 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, C, JavaScript, HTML, CSS (Proficient)
Python, PHP, C#, ASP.NET, VB.NET (Familiar)

Database

MySQL, MongoDB, Oracle 11g, PostGIS, NoSQL

Servers, Frameworks & Tools

Node.js, AngularJS, jQuery, Bootstrap, Android SDK, Git (Proficient)
AWS, TensorFlow, Flask, Spring, Hibernate, Struts (Familiar)

WORK EXPERIENCE

Student Software Engineer

January 2018 - Present

USC Cancer Research Informatics Core, Los Angeles, CA. (1 Year)

- Built a web portal for cancer researchers at USC using **ASP.NET**, **MySQL** to study and maintain medical journals.
- Designed a **responsive website** using **Bootstrap**, **jQuery** for Genomics team to maintain their laboratory services.
- Developed a room reservation and event management system for USC Norris Cancer Center using **VB.NET**, **MySQL**.
- Created **custom applications**, databases, surveys and **websites** for multiple cancer research groups to enable efficient reporting and analytics on various cancer studies.

Software Engineer

September 2016 - August 2017

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

- Developed a **Java web** application using **Spring** and **Hibernate 3** frameworks to view high level data related to all products manufactured at Ericsson.
- Upgraded web application by adding report generation system to view/analyze product features using **Java APIs**.
- Deployed **shell scripts** using cron jobs on Unix servers to start data importer, to mail running status of application and to generate status logs which automated application maintenance activities.

PROJECTS

Virtual Assistant (Chatbot): Web Application

git.io/vpjYu

- Designed a **virtual interactive agent** using chatterbot **Python** API and **Node.js** for FAQs at USC computer store.
- Programmed **Python** scripts to extract dialog flows, and to analyze & train the chatbot model according to USC computer store conversation.

Handwritten Digit Recognizer: Web Application

git.io/fNVeH

- Trained a **Convolutional Neural model** built in **Python** to classify digits 0-9 using TensorFlow.
- Integrated the trained model on a **Flask** web application to classify user drawn images instantly.

LA Times Search Engine: Web Application

- Developed a search engine using **PHP**, Apache **Solr** and **Tika** to search LA Times Articles based on input query.
- Added **spell-corrector** and **autocomplete** functionality to search engine using Solr fuzzy lookup factory.

Super Fruit Riot: Android Game

git.io/vNkCJ

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

Icon3C: Website

git.io/f4b9h

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

Nanded City Guide Android Application

- Designed a **GPS** based android application which accessed **user location** and suggested nearby public services.
- Wrote a **Java** utility to retrieve public services list from database, according to information provided by user.