

Rohit Sahasrabuddhe

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EDUCATION

Master's in Computer Science

University of Southern California, Los Angeles, California.

CGPA 3.5/4.0

May 2019

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

Bachelor's in Computer Science and Engineering

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

CGPA 9.06/10.0

June 2015

SKILLS

Programming

Java, JavaScript, HTML, CSS (Proficient)
C, Python, PHP, C#, ASP.NET, VB.NET, COBOL (Familiar)

Database

MySQL, Mongo DB, Oracle 11g, Google Cloud DB, PostGIS

Servers, Frameworks & Tools

NodeJS, AngularJS, Android SDK, Spring, Hibernate, Struts, IBM Mainframes, Tomcat,
Gremlin, Git (Intermediate Proficiency)

WORK EXPERIENCE

Student Programmer

Jan 2018 - Present

USC Cancer Research Informatics Core, Los Angeles, CA. (7 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.

System Engineer

Sept 2016 - Aug 2017

Tata Consultancy Services, Hyderabad, India. (1 Year)

- Delivered an **big data** processing application for Ericsson client using **Hadoop MapReduce** technology.
- Developed **Java web** application using **Spring MVC** and **Hibernate 3** frameworks for Ericsson client to view high level data related to all products manufactured at plant.

Asst. System Engineer

Sept 2015 - Sept 2016

Tata Consultancy Services, Hyderabad, India. (1 Year)

- 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 **3 web applications** and **1 utility-based** application with different architectures and technologies by analyzing and troubleshooting application issues on day to day basis.

PROJECTS

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 multiple conversations 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 **mobile game** like Candy Crush using **Android Studio**, where the user plays against an **AI agent**.
- Programmed an **Intelligent Agent** using **minimax algorithm** with **alpha-beta pruning**, which dynamically selects next move depending upon time remaining for agent.

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

Dec 2014 - Jan 2014

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

Case Study: Understanding Mozilla Firefox Browser (6 Team Members)

Jan 2015 - May 2015

- Analyzed components, source code, architecture and directory structure of Mozilla Firefox web browser.
- Investigated different strategies to improve performance of Mozilla Firefox by replacing its memory allocator.