Rohit Sahasrabuddhe

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EDUCATION

Master's in Computer Science — CGPA 3.55/4.0
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, Google Cloud DB, PostGIS
Servers, Frameworks	NodeJS, TensorFlow, AngularJS, Android SDK, Git (Proficient)
& Tools	Flask, Spring, Hibernate, Struts, IBM Mainframes (Familiar)

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 a **big data** processing application for client using **Hadoop MapReduce** technology.
- Developed a **Java web** application using **Springs MVC** and **Hibernate 3** frameworks 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 applications with different architectures and technologies on day to day basis.

PROJECTS

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.