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| **Rohit Sahasrabuddhe** | |
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| **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 |
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| **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) | |
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| **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. | | |
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| **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. | | |
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| **PROJECTS** | | |
| **Virtual Assistant (Chatbot):** Web Application | | [git.io/vpjYu](https://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](https://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](https://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](https://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. | | |