

SHRIYA SASANK

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ACADEMIC QUALIFICATIONS

University of California, Los Angeles

Sep 2016 – Dec 2017 (Expected)

Masters in Computer Science Engineering: GPA 3.567/4

Coursework: Big Data Analytics, Health Analytics, Current Topics in Data Structures (Big Data), Distributed Database Systems, Animats-Based Modeling, Database Systems

College of Engineering, Guindy, Anna University

Aug 2012 – July 2016

Bachelor of Engineering, Computer Science and Engineering : CGPA 9.69/10

Coursework: Operating Systems, Algorithms, Computer Networks, Database Management Systems

TECHNICAL SKILLS

Programming Languages	: C, C++, JAVA, Python, Bash, Prolog, PHP, Scala
Software	: LaTeX, IntelliJ, Vim, Emacs, Inkscape, GIMP
Web Technologies	: AngularJS , Ruby on Rails, HTML5, CSS, JQuery, Javascript, Sass
Databases and Frameworks	: MySQL, SQLite, Oracle 11g, Apache Spark

EXPERIENCE

Teaching Assistant for Fundamentals of Artificial Intelligence, UCLA

Jan 2017-

- Conducting discussion sessions, grading assignments and evaluating projects for undergraduate students in Artificial Intelligence

Web Developer and Designer, Tata Consultancy Services, Chennai

May - June 2015

- Redesigned the 'Campus Commune' portal, a technical website for students and employees, using Front-End tools including **HTML5**, **Javascript**; changed the information architecture of both portals using **Ruby on Rails**.

Student Director, Web and Tech Team, CEG Tech Forum, Chennai

July 2015 - July 2016

- Developed college event and symposium website, mobile applications and online games and provided technical support for the events; developed the UI for online events Cerebra, Athena and Sherlock using **AngularJS**,
- HTML5**, **CSS3**, **Javascript**, **Jquery** and **RenPY**. Worked with **AWS** and **Ruby on Rails** backend technology
- Trained freshmen and sophomores to handle technical issues during online events, mentored them in Front-End and Android Development and conducted technical workshops for students from various colleges

ACADEMIC PROJECTS

Data Analysis using Apache Spark

Sep - Dec 2016

- Developed a map-reduce system that uses Federal Election Data to analyze contributions of committees to front-runners in the 2016 election campaign
- Built a spark-streaming application that runs map-reduce on live data-streams from Netcat server
- Implemented Hash-based and Hybrid-hashing aggregation and Average Aggregate techniques in Apache Spark

Aerial Eyes – Quadcopter implementing 3D Object Reconstruction

Dec 2015 - Feb 2016

- Built a quadcopter from scratch running on **Raspberry Pi 2** microprocessor that performs aerial photogrammetry and reconstruct 3D Point Clouds of the environment and perform panorama stitching
- The project was developed using **Python**, **OpenCV** and **Android Programming**

Twitter Sentiment Analysis of Products and Brands

Aug - Oct 2015

- Developed an application using **Python** that uses **Machine Learning** to perform Sentiment Analysis of tweets in real-time with automatic classification and pictorial-rendering in the form of graphs on a web page

PERSONAL PROJECTS

Movie Recommendation System

July 2016

- Developed a movie recommender using Collaborative-Filtering Algorithm using **Python's scikit-learn**, **pandas**, **nlTK** and **matplotlib** libraries that gives recommendations for movies based on a given dataset

CERTIFICATIONS

Certification in Python Game Development, Rice University, Coursera

Jan 2014