

Srushti Gangireddy

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Education

Masters in Computer Science at California State University Fullerton	GPA: 3.9	Graduated in Jan 2018
Bachelors in Computer Science at Sastra University, Thanjavur, India	GPA: 8.36	Graduated in May 2013

Graduate Coursework: Cloud computing & Security Fundamentals, Big Data Analytics, Advanced Operating Systems design, Web Back End Engineering, Business Database design, Design and Analysis of Algorithms, Software Measurement, Computer Organization and design, Artificial Intelligence, graduate project on big data analytics and machine learning.

Experience

Tata Consultancy Services (July 2013 – October 2015)	Position: Software Engineer
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Client: Ericsson

- Worked on developing the scripts to backup and restore the servers.
- Developed the scripts that take snapshot of the disks, filesystems and analyze the health of the services timely.
- Customized the code to restore the servers to the previous healthy state in the time of crash.
- Installed operating system on many kinds of servers using custom jumpstart.
- Package, patch management, process administration.
- Configured and maintained NFS, DNS, DHCP.
- Netbackup policies, STU administration and configuration.
- Responsible for all the configuration management activities for every sprint shipment.
- Developed a web application for online recruitment.
- Involved in back to back web application development front end and back end tasks.
- Tools/ Technologies: Java, JSP, Servlets, HTML, CSS, JDBC, Bash shell scripting.

Web Developer (Voluntary) at Sri Vaishnavi Heart Clinic

- Worked on designing the database needed to manage patient's appointments and feedbacks for a doctor.
- Designed and developed a website.
- Tools/ Technologies: Python, MongoDB, HTML, CSS, Javascript, JQuery, Bootstrap, Flask framework

<http://drskreddy.com/>

Voluntary python tutor to a high school student (August 2016 – May 2017)

Technical Expertise	
Technologies/ languages	Java, C, C++, Python, J2EE, JavaScript, Spring Framework, R, HTML, CSS, Bootstrap, JQuery, JSP, Servlets, RESTful JAX-RS, Bash shell scripting
Databases:	SQL: Oracle, Microsoft SQL, PostgreSQL, PL/SQL, SQLite NOSQL: MongoDB, NoSQL, Pig, Apache Hive, Sqoop
Operating Systems:	Unix, Windows, Linux, Ubuntu
Distributed Computing:	Hadoop, Map Reduce, Spark
IDE:	Eclipse, Idea IntelliJ, Pycharm, STS (Spring Tool Suite), SQL Management Studio, MS Visual Studio, Android SDK
Version Control:	Git

Professional Certifications

Oracle Certified Associate Java SE7 Programmer
Oracle Certified Professional Java SE7 Programmer
Hortonworks Certified Hadoop Developer
AWS Certified Solutions Architect Associate

Online Course Certifications

Introduction to Big Data Analytics by University of San Diego
Python Mega Course to build web applications on Udemy
Social Media Analytics on Udemy
Taming Big Data with Apache Hadoop on Udemy

Projects:

Finding most influential user in Twitter (Aug 2017 - Dec 2017)

- Twitter application that helps in finding the central/ influential user for particular topic.
- Collected and analyzed the tweets of "California Shooting".
- Ranked the users in the order of their influence by performing centrality analysis on the network of users.

Voice Note Android Application (Sep 2017)

Android application that helps in taking notes, editing and deleting them.

- Notes can also be voiced aloud.

Used Amazon Polly to provide text – speech conversion..

- Tools/Technologies: Java, Android development, SQLite, Amazon Polly
- Link: <https://github.com/SrushtiGangireddy/Voice-Note>

Fund Raiser Website (Jan 2017 – May 2017)

• Designed a fund-raising website for startups. This website helps the start-up companies and people with creative ideas to fetch the financial support needed for their projects.

• Session management, data persistence was done using a python framework called flask. Database used is PostgreSQL. User information is encrypted and stored in the database for security reasons.

- Media data of projects like video, images are stored on Amazon s3 and fetched real time.
- Project data is analyzed to provide real time statistics like trending projects in certain region/domain.
- Technology stack used: Python, Flask framework, Postgresql, Amazon S3, HTML, CSS, Javascript, JQuery, Bootstrap

- Link: <https://github.com/SrushtiGangireddy/Jump-Up>

Database design and development (Jan 2017 – May 2017)

• Designed the database schema for a Wilco Construction Company case study by gathering the requirements.

• Normalized the data relations and organized the data in tables. Compliance report generation, Inventory Management. Payroll generation, Inventory management and EEOC Compliance are addressed using the triggers, procedures and report generation.

- Tools/ Technologies: Microsoft Visio, Microsoft SQL.
- Link: <https://github.com/SrushtiGangireddy/Wilco>

Face Detection (March 2017 – April 2017)

- Used OpenCV a python library to detect the face in the image.
- Trained the classifier using several negative and positive images.
- Algorithm is trained with the facial features in the training images.

Aspect Rating Using Map Reduce (Aug 2016 – Dec 2016)

• Developed a text mining application to calculate aspect ratings of the hotel reviews using parallel processing framework Map Reduce.

- Deployed the project in the distributed computing environment by setting up Hadoop cluster on the Amazon EC2 instances. Performed text analytics on millions of user reviews to rank food, room, location and service aspects of each hotel. Monitored the cloud resource usage using AWSCLI.
- Tools/Technologies: Hadoop Map Reduce, Amazon AWS EC2, AWSCLI, Java, Stanford Core NLP, Text Mining, Data Analytics
- Link: <https://github.com/SrushtiGangireddy/Aspect-Rating-Hotels-using-Map-Reduce>

Student Alcohol Consumption Prediction (Aug 2016 – Dec 2016)

• Developed a predictive model that predicts the level of student alcohol consumption (high/low/medium) based on different Attributes(student grade, parents education level, number of family members, social activities,..) of each student in the data.

• K-Means clustering, Decision trees and random forest are the data mining methods used to develop the prediction model.

- Tools/Technologies: R, Shiny, Data mining models.
- Link: <https://github.com/SrushtiGangireddy/Student-Alcohol-Consumption>

Yelp Data Analysis (May 2016 – Aug 2016)

- Text analysis on yelp data using Hadoop, Hive, Pig (Big Data technologies)
- Sentiment analysis to study the emotions of the users in reviews.
- Restaurants specific to certain region are identified and ranked.

Patent Search Paradigm using Data Mining (Dec 2012 – May 2013)

• Developed a web application to help the users to search relevant patents.

• Features: Error Correction of keywords, Automatic word completion, Ranking the search results based on the relevant and most recent searches using Vector Space Model algorithm.

- K-Means clustering is used to group the relevant searches together.
- Tools/ Technologies: Java, JSP, Servlets, HTML, CSS, Data mining and association rules.

Hands on experience on cloud computing software like Amazon AWS, Hadoop Map Reduce, Open Stack