

# Sanket Salunke

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## SKILLS

**Programming Languages:** Python, Java, C, PHP

**Web Technologies & Frameworks:** JavaScript, HTML5, CSS3, Bootstrap, Flask, ReactJS, Spring MVC, Node.js, Laravel

**Database Systems:** MySQL, MS SQL Server, Oracle Database, MongoDB, SQLite, SQL, AWS RDS

**Cloud Services & Libraries:** Microsoft Azure, AWS, IBM Cloud, Heroku, NumPy, SciPy, scikit learn, Matplotlib, pandas

**Operating Systems & Software Testing:** Linux, Microsoft Windows

**Tools and other Technologies:** gcc/gdb, Git, Selenium, Jira, XML, BASH, Shell Scripting, TCP/IP, UDP, DNS, HTTP, REST, ICMP, OSI Model

## CERTIFICATIONS

Oracle Java SE 7 Programmer I, Oracle Database 11g: SQL Fundamentals I

## EXPERIENCE

**[Ghost Squawk](#) (Company under Open Water Accelerator) – Software Engineer Intern – USA**

Sep.2020-Dec.2020

- Developed a backend application using Flask, MySQL and API requests, which tracks actual and forecast values of economic data.
- Application calculates the standard deviation and produces a deviation graph as a widget in real-time using Python and R.
- Devised infrastructure as a service using CloudFormation in AWS and deployed multiple applications to EC2 Server.
- Automated the applications in EC2 by creating a CI/CD pipeline to deploy code updates without any interruption.
- Collaborated with the team to develop, deploy and test Learning Management Application using React JS and Google Firebase.

**AtoS Global IT Solutions – Software Engineer – Mumbai, India**

Jul.2017-Jun.2019

- Designed and developed Java applications with the Agile Development principles, to store client's required data and providing client the privilege to modify existing data.
- Engaged in problem solving along with monitoring performance tasks on new and existing Java applications by code reviews, debugging, patch deployment at front- end and back-end processes including test planning, test case design and functional testing.
- Assisted the project manager in leading the team and helped to decrease the overall defects count by 20% provided 25+ root cause analyses to resolve bugs and improve overall performance of the application.
- As a SCRUM master, worked with an Agile team on a web application development using Java Spring MVC, DAO design pattern and front-end using HTML5, CSS3, Bootstrap and JavaScript.
- Mentored new members ensuring all were well versed with existing applications and capable of performing assigned duties.

## EDUCATION

**University of Texas at Arlington, TX, USA, (GPA- 3.63/4.0)**

Aug.2019-Present

*Master of Science in Computer Science*

Coursework: Algorithms & Data Structures, Operating Systems, Advanced Topics in Data Bases: Cloud Computing, Web Data Management, Machine learning, Software Testing, Distributed Systems, Data Analysis & Modeling Techniques, Database Systems.

**University of Mumbai, Mumbai, India, (GPA- 3.5/4.0)**

Jun.2013-Jun.2017

*Bachelor of Engineering in Electronics*

Coursework: Object Oriented Programming, Structured Programming Approach, Computer Communication Networks.

## PROJECTS

**Web Application Development on Cloud Platforms (Python, Flask, JavaScript, HTML, CSS, Microsoft Azure, AWS)**

- Developed and Hosted multiple web applications to perform various SQL queries on the USGS earthquake dataset.
- Performed caching using Redis on Azure for faster execution of queries which improved system performance by around 40%.
- Performed Load Balancing and Auto Scaling of web applications on AWS to improve system performance.

**Portable File System of size 33 MB (C, gcc/gdb, Linux, Git) – [\[GitHub\]](#)**

- Programmed user space portable File System which allows users to create file system of 33 MB drive space in a disk image.
- Implemented functionality in such a way that users can create the file system image, add files, remove, list the files currently in the file system, and files persist in the file system when the program exits.

**Multithreaded File Sharer (Java, Socket Programming, Java Swing, Git) - [\[GitHub\]](#)**

- Created client-server architecture to handle n-number of clients using multithreading and socket programming in Java.
- Embedded two-phase commit logic for distributed atomic transaction processing to coordinate commit or rollback the transaction.

**Restaurant Chain Website (PHP, Laravel, MySQL, JavaScript, WordPress, HTML5, CSS3) - [\[GitHub\]](#) [\[Live Demo\]](#)**

- Developed interactive and dynamic Burger ordering Web Applications using PHP/Laravel.
- Implemented role-based access with secure authentication, Order and Payment gateway etc.

**Naive Bayes Classifier (Python) - [\[GitHub\]](#)**

- Implemented Multivariate Naive Bayes Algorithm in python using pandas and NumPy library.