

# Sanket Salunke

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## SKILLS

**Languages & Web Technologies:** Python, Java, C, BASH, SQL, Shell Scripting, JavaScript, HTML, CSS, PHP, Bootstrap  
**Frameworks & Libraries:** Flask, ReactJS, Spring MVC, NodeJS, Laravel, Junit, Sklearn, NumPy, Pandas, matplotlib  
**Database:** MySQL, MS SQL Server, Oracle, MongoDB  
**Operating Systems:** Linux, Windows  
**Cloud:** AWS, Microsoft Azure, IBM Cloud  
**Tools:** Visual Studio, gcc/gdb, MSP 2013, WordPress, Git, Bitbucket, MSSQL, SharePoint, Selenium, Jira

## CERTIFICATIONS

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

## EXPERIENCE

**Software Engineer Intern, [Ghost Squawk](#)- USA (Portfolio company under Open Water Accelerator)** Sep 2020-Dec 2020

- Built script to store all the economic indicator values like GDP, NFP and Retail Sales in the MySQL database by Python API requests which then further used to display data in graphical manner on web application using Python, R and React JS
- Redesigned the website with Front-end & UX team to improve the overall performance by using AWS EC2
- Collaborated with the team to develop, deploy and test dynamic and interactive Learning Management website that ensures high traffic, page views and user experience using ReactJS and Google Firebase

**Software Engineer, AtoS Global IT Solutions- Mumbai, India** Oct 2017-June 2019

- Worked on development and enhancement of JAVA applications to store client’s required data and providing client the privilege to modify existing data using Agile Methodology
- Engaged in problem solving along with monitoring performance tasks on new and existing Java applications by 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% and provided 25+ root cause analyses to resolve bugs and improve overall performance of the application

**Trainee Engineer, AtoS Global IT Solutions- Bengaluru, India** July 2017-Oct 2017

- As a SCRUM master, worked with an Agile team to build an e-commerce web application using Java Spring MVC, DAO design pattern and implemented the Front-end using HTML5, CSS3, Bootstrap and JavaScript

**Trainee Engineer- Intern, Bhabha Atomic Research Centre (BARC) – Mumbai, India** June 2016- July 2016

- Programmed controllers and encoders like ADAM-3014, RIO 47300(PLC) and worked on DAQ modules, its hardware interfaces and communication protocols (TCP-IP, UDP)

## 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 2017

Bachelor of Engineering in Electronics  
Coursework: Object Oriented Programming, Structured Programming Approach, Computer Communication Networks

## COURSE PROJECTS

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

- Developed projects which included deploying databases on clouds (AWS, Azure, IBM Bluemix) and applying queries and data analysis algorithms on them, and also representing JSON data in the form of charts and other graphical formats
- 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)**

- 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)**

- 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)**

- Developed interactive and dynamic Burger ordering website with two privileged roles (Customer, Admin) using PHP/Laravel
- Designed & Implemented in such a way that Customer can place order from Menu page and Admin can update the Menu

**Naive Bayes Classifier (Python)**

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