# Utsav Vohra

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## Technical Skills:

**Programming Languages:** Java, C, Python,  C++
**Java Technologies**: JDBC, JSP, SERVLET, HIBERNATE, Maven, Spring Boot, Spring MVC,JPA.
**Front-end/Back-end technologies:** HTML, CSS, JavaScript ,Angular JS
**Databases:** Oracle SQL, MySQL, PostgreSQL
**Cloud Technologies:** Amazon Web Service,Microsoft Azure
**Testing tools and frameworks:** JUnit, Postman, Selenium, Jenkins,UiVsionMacro
**Versioning tool:** Git
**Others:** Eclipse, IntelliJ,Docker,Spring tool suite.

## Work Experience

**Research Project Assistant at Albany lab**                                                  (May 2020-Sept 2020)
- Reduced data generation time by 30% using selenium to implement automated authorization testing in online social networks.
- Generated system graph using random graph theory for managing dataset of size more than 1 million and to monitor relationship based access control in the system. This helped save approximately 20 % of developers time to gather and analyze data.
- Integrated multiple applications by building Docker images to support deployment and testing for CI/CD pipelines. Containerized these applications using Docker swarm services which reduced deployment time by 15 % and improved application performance by 40%.

**Software Engineer at Infosys**                                                  (June 2018-Nov 2019)
- Designed and implemented  3 layers of the banking application  which uses enterprise service bus architecture and integration layer. Developed features of banking application like loan approval process, transaction history, loan registration using springboot.
- Developed server side application to interact with database using Spring Boot and Hibernate, RESTful services**.** Improved 20% of server performance by optimizing API calls using modular application design and light weight dependencies.
- Redesigned the application using Spring AOP,Spring JPA,Spring security,Spring dependency injection,Spring integration,POJOs for Data Model to support enterprise service bus  architecture which enhanced productivity by 30% .
- Automated logs deletion process for all production databases using control-M query scheduler to write optimize query that runs in the background every 15 days which saved approximately 2 weeks worth of manual work every year and improved database response time by 20%.

**Software Engineer Intern at Infosys**                                                  (Feb 2018 -May 2018)
- Developed automatic query evaluator tool for generating query. Used natural language processor to determine query sentences automatically by given keywords. Won Infy Insta Award for successfully reducing database operations cost by 60%.
- Created Object-Relational (O/R) mapping using Hibernate, Data Access Object persistence layer and improved data consistency.
- Constructed various Angular custom directives and developed reusable components and templates to enhance reusability in the application, Created Typescript reusable components and services to consume REST API's  Component-based architecture to reduce cost of maintenance.
- Wrote 110 test cases in Junit and ensured 70% of code coverage. Used SOAP Ui to  test endpoint and implemented Test-driven development(TDD).

## Academic Projects:

**Online food services application**                                                  (Sep 2020 -Nov 2020)
- Developed ReactJs Ui for features like ordering food items, adding restaurants, maintaining individual orders, generating order status. Created back end services using Rest Controller in Spring framework and JSON objects for communication.
- Performed server side validation using various web forms through annotation based approach, hosted application on EC2 instance, used services of AWS like IAM,S3,RDS,NoSql(DynamoDB),EC2.
- Developed java Beans, spring transaction management, Controller classes and configured with corresponding JSP pages.

**Sentimental analysis of Twitter**                                                  (Nov 2018 – Feb 2019)
- Project was aimed to fetch tweets based on the keywords, categorized them in positive, negative ,neutral tweets.
- Implemented tokenization, text analysis in python. Used Sent WordNet dictionary to find sentiments of words.
- Generated Python Django forms to record data of tweets. Used Matplotlib library of Python to create graphs, data visualization .

## Education:

**Master of Science in Computer Science(3.6/4)**                                                  Expected  May2021
State University of NewYork,Albany

**Bachelor of  Technology in Information Technology(7.96 /10)**                                                  May2018
Dharamsinh Desai University