KUSHAL SHARMA

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EDUCATION

University of Florida - Master of Science, **Computer Science**   **May 2023**
University of Mumbai - Bachelor of Engineering, in **Computer Engineering**   **May 2017**

WORK EXPERIENCE

Remora | *Back End Developer* | Jacksonville   **July 2023**
- Architecting and Implementing a Enterprise Web Application end-to-end Rest APIs using PHP, Laravel, MySQL, and Front End using React.

University of Florida | *Teaching Assistant* | Gainesville   **January 2023 - May 2023**
- Design and Grading Assignments for the course MultiModal Data Mining under Professor Ruogu Fang.

Sonos | *SDE Intern* | Boston   **June 2022 - August 2022**
- Design, and implement an efficient solution using *Rest API, Asynchronous programming*, *Scheduler in Java, Spring MVC, Spring JPA, Spring Boot, and ReactJS* along with integration testing using *Junit, and Mockito* to accumulate and visualize user data leading to a *25 percent* increase in efficiency.

Itiviti | *Full Stack Engineer* | Bangalore   **October 2020 - July 2021**
- Developed *Rest API* using Slang (Proprietary Language), and Angular JS leading to a *20 percent* increase in the efficiency of team members using *Agile SDLC*.
- Designed a scheduler involving log parsing, Data Manipulation, and *MongoDB*, reducing *7 percent* of manual work.

QualityKiosk Technologies Private Limited | *Software Developer* | Mumbai   **July 2019 – February 2020**
- Developed Web Applications using *Java, Spring Framework, Microservices, Hibernate ORM Tool, and Angular JS*, increasing the team's efficiency by reducing the manual work.
- Developed features using *ElasticSearch, MongoDB (NoSQL), and MySQL* for analytics and data storage.

Verdantis Tech Private Limited | *Software Developer* | Mumbai   **July 2017 - June 2019**
- Designed and developed the feature for uploading and downloading ZIP/XML files from the Server using *SFTP/Web Services* using *Java, and Spring Framework* leading to a *300 percent* increase in efficiency.
- Implemented Support for *UTF-8* in Email ID for login by SSO or Traditional Method using *Spring Framework, and JSP*.
- Automated and Developed DB Design and Implemented using *Java, and MySQL* to retrieve L1 Duplicate Materials.
- Developed Utility in the form of *Jar Files* for the QA Team, improving the efficiency of the QA Team by *10 percent*.

PROJECTS

Twitter Clone - Distributed System Testing and Fault Tolerance
- Designed and implemented a large-scale distributed system using the Actor Model, REST API, in Fsharp. Performed Unit and Integration Testing to verify Distributed Architecture and Fault Tolerance

Inventory Management
- Developed Web Application to manage Items in a Warehouse using Java, Spring, JSP, Tomcat Server, and MySQL.

University Towns House Prices Relation to Recession
- Performed a t-test using Python, Pandas, and Jupyter Notebook to predict that University towns are less affected by the recession.

Page Ranking
- Crawled "www.py4e.com" and followed links, ranked pages accordingly and visualized them using Python, and d3 JS Library.

Compiler
- Developed a lexer, compiler, Abstract Syntax Tree, Type Check Visitor, and Bytecode Generator using Java and test cases using JUnit .

Online Shopping Website
- Developed a website using Java, Spring, Hibernate, JSP and MySQL with features like authentication, wishlist, and buying.

SKILLS

Languages/Frameworks: Javascript (ES6), HTML5, CSS, React, AngularJS, Vue, Java, NodeJs, Jest, Cypress, Mocha, Chai, REST APIs, GraphQL, SQL, Ruby, .NET, C#.
Database: MySQL, MSSQL, MongoDB, PostgreSQL, Redis.
Search: Elastic Search, Lucene Search.
Tools: Eclipse, IntelliJ, Visual Studio Code, Jenkins, Jira, Putty, GitHub, SVN, Tomcat, Maven, Docker, Nginx, Liquibase, Kubernetes, Kafka, AWS S3, AWS SQS, Cassandra, Gradle, Selenium, Mockito, Spark.