

## KUSHAL SHARMA

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### EDUCATION

#### University of Florida, United States

Master of Science, **Computer Science**

Aug 2021 - May 2023

3.4/4

Distributed Operating Systems, Advanced Data Structures, Analysis of Algorithms, Machine Learning, Distributed Multimedia System

#### University of Mumbai, India

Bachelor of Engineering, in **Computer Engineering**

Aug 2013 - May 2017

8.05/10

### WORK EXPERIENCE

#### Remora | Back End Developer | Jacksonville

July 2023

- Designing, implementing a Web Application, Rest APIs using PHP, Laravel, MySQL, System Design Concepts.

#### University of Florida | Teaching Assistant | Gainesville

January 2023 - May 2023

- Designing and Grading Assignments for the course MultiModal Data Mining under Professor Ruogu Fang.

#### Sonos | SDE Intern | Boston

June 2022 - August 2022

- Designed, implemented an efficient solution using *Rest API, Asynchronous programming, Scheduler in Java, Spring MVC, Spring JPA, Spring Boot, ReactJS* along with test cases using *Junit, Mockito* to accumulate and visualize user data leading to **35 percent** increase in efficiency.

#### Itiviti | Full Stack Engineer | Bangalore

October 2020 - July 2021

- Developed *Rest API* using Slang (Proprietary Language), Angular JS leading to a **20 percent** increase in efficiency of team members using *Agile SDLC*.
- Designed scheduler involving log parsing, Data Manipulation, *MongoDB*, reducing **7 percent** of manual work.

#### QualityKiosk Technologies Private Limited | Software Developer | Mumbai

July 2019 – February 2020

- Involved in every phase of the Software Development using Agile Software Development Life Cycle (SDLC) and collaborating with Product Managers and Dev-ops team for requirement Gathering.
- Developed Requirements for better usability using *Java, Spring Framework, Microservices, Hibernate ORM Tool, Angular Js*, increasing the efficiency of the team by reducing the manual work.
- Developed features using *ElasticSearch, MongoDB (NoSQL), MySQL* for analytics and data storage.

#### Verdantis Tech Private Limited | Software Developer | Mumbai

July 2017 - June 2019

- Designed and developed the feature for Upload and Download of ZIP/XML files from Server using *SFTP/Web Services* using *Java, 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 *Java, Spring Framework, JSP*.
- Automated and Developed DB Design and Implemented using *Java, 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**.

#### A3Pixels | Intern Web Developer | Mumbai

December 2015 - January 2016

- Worked on development of Web Application for Rachana Sansad College of Applied Art and Craft.

### PROJECTS

#### Twitter Clone

- Designed and implemented a large scale distributed system using the *Actor Model, REST API*, in *Fsharp*. Simulated a twitter like engine that would allow users to tweet, retweet, view home feed and follow new users.

#### Inventory Management

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

#### University Towns House prices relation with Recession

- Performed a t-test using *Python, Pandas, Jupyter Notebook* to predict that University towns are less affected by recession.

#### Page Ranking

- Crawled "[www.py4e.com](http://www.py4e.com)" and followed links, ranked pages accordingly and visualized them using *python, d3 JS Library*.

#### Compiler

- Developed a lexer, compiler, Abstract Syntax Tree, Type Check Visitor, Bytecode Generator using *Java, Junit*.

#### Online Shopping Website

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

### SKILLS

**Languages/Frameworks:** C++, Java, Go, Spring Boot, Spring JPA, Spring Core, Hibernate ORM Tool., Python, React, JavaScript.

**Database:** MySQL, MSSQL, MongoDB.

**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.