SHIVANI DATAR

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SUMMARY:
- Master's in Computer Application with 3 years of full stack development experience.
- Experience and knowledge of Object Oriented Programming, Core Java, Spring Framework, REST API, JPA, Gradle /Maven.
- Knowledge of MVC and MVVM architecture.
- Skilled in JavaScript, Data Structures and DB.
- Working experience with Docker, Jenkins, Jasmine and Karma.

EDUCATION:

Master of Science in Information Systems   **Sept 2022 – May 2024**

Northeastern University - Boston, MA   GPA - 3.68/ 4

Relevant Courses :- Application Engineering and Development,
Data Science Engineering Methods and Tools, Program Structures and Algorithms,
Database Management and Design, Web Development, UI/UX

Master of Science in Computer Application   **Aug 2016 – May 2019**

VJTI, University of Mumbai – Maharashtra, India   GPA – 7.69 / 10

Bachelor of Science in Mathematics   **Aug 2013 – May 2016**

University of Mumbai – Maharashtra, India   Aggregate - 82%

EXPERIENCE:

Teaching Assistant – Northeastern University, Boston   **Sept 2022 – Present**
- TA for CS 1800 (Discrete Structures), DS 2000 (Programming with Data), INFO 6105(Data Science Engineering Methods and Tools), CS 3000 (Algorithms and Data), DS 2500(Intermediate Programming with Python)
- Conducting in-person office hours to resolve queries, brainstorm and encourage students in developing problem-solving skills
- Grading weekly homework assignments and exams, providing points to students indicating the room for enhancement

Associate Application Developer – Oracle Financial Software Services, Mumbai   **Mar 2020 – July 2022**
- Improved legacy frontend (ADF) by replacing it with OJET as a micro frontend resulting in faster loading times for data and enhanced User Interface by 20%
- Acquired hands on experience with OJET for front end development along with Jasmine for unit testing
- Designed and created restful web services using spring boot framework
- Delivered backend RestApi services using Java and Spring Boot
- Exposed to Docker and Jenkins for component builds along with micro-services architecture
- Multitasked various project derivable across teams and collaborated with multiple teams

Software Developer – Pi Techniques, Mumbai   **Jan 2019 – Nov 2019**
- Developed a desktop application using WPF, WCF and C# for vessel management used to manage finances, payroll, crew and on-boarding schedules
- Improved the communication between the on-board captain and the vessel management company by 50% through application

SKILLS:

Languages:	Java, Python, MATLAB, C#, HTML, CSS, JavaScript, AngularJS, ReactJS
Frameworks:	Spring , Spring Boot, JPA, OJET, Angular, Kafka
Databases:	Oracle, MySQL, MSSQL
Version Tools:	Git, GitHub
Cloud / Servers:	Weblogic, Tomcat, AWS
Other tools / Products:	Jenkins, JIRA, Confluence, Tableau, Power BI

ACADEMIC PROJECTS:
Healthcare System Management for Healthcare professionals (React.js, Java, SpringBoot, MSSQL)   **Jan 2023 - April 2023**
- Developed operational database utilizing SQL, resulting in 50% higher speed of data retrieval
- Delivered engaging GUI which dealt with performing CRUD operations on the database tables
- Applied PowerBI to offer Realtime analytics and action insights with visualizations
- Integrated BI tools into database system to streamline analysis and reporting functions

Loan Default Prediction (Python)   **Aug 2022 – Dec 2022**
- Cleaned the dataset by substituting null values, removing negative values, consistent representation for categorical values
- Analyzed the existing patterns between the data and calculated correlation between different fields
- Implemented three machine learning algorithms like Naive Bayes, SVM and KNN
- Calculated the precision, recall for each machine learning algorithm