

## **Education**

### **Master of Science in Computer Sciences**

*Aug 2023 - Dec 2024*

*University of North Texas, Denton TX*

### **M.Tech in Integrated Software Engineering**

*Aug 2015 - Apr 2020*

*Vellore Institute of Technology, Vellore, India*

## **Skills & Expertise**

<b>Languages</b>	:	Java, HTML, CSS, SQL, PL/SQL, Data Structures and Algorithms.
<b>Java Technologies</b>	:	Core Java, Multithreading, Generics and Collections
<b>Database</b>	:	Oracle SQL Developer, Mongo DB, Datical DB, Cassandra.
<b>Frameworks</b>	:	Spring, Springboot, Spring Security, Spring Cloud, Rest API, Microservices
<b>Testing Frameworks</b>	:	Mockito and Junit 5.
<b>Application servers</b>	:	Apache Tomcat.
<b>Version Control</b>	:	GitHub, GitLab, Tortoise SVN
<b>Tools</b>	:	Spring Tool Suite, Eclipse, VSCode, Postman, GitHub, GitLab, Tortoise SVN, Swagger, Rally, Jenkins, Oracle JDeveloper, IntelliJ, Tableau, PowerBI, Amazon S3, Cloudera, Hue, Winscp, Trello, Hadoop, Maven, AWS.
<b>Code Quality Tools</b>	:	Polaris, Blackduck, SonarQube.
<b>Certifications</b>	:	Certified Scrum Master, AWS Developer Associate.

## **Employment Experience**

### **Oracle India Pvt Ltd, Bangalore, India**

*Mar 2023 - July 2023*

Application Developer - 2

- Proficient in Java development and integration within Oracle databases using Oracle SQL Developer and command-line tools.
- Successfully loaded and managed Java JAR files into Oracle Database, ensuring compatibility with Oracle JVM constraints.
- Expert in creating **PL/SQL Scripts** to expose Java methods as stored procedures and functions for seamless integration with SQL.
- Executed rigorous testing and validation of Java stored procedures in Oracle, confirming their stability and reliability.
- Orchestrated the initial load of Java JAR files into Oracle SQL Developer, streamlining the development process for database-backed Java applications.

### **Wabtec Corporation, a GE Transportation Company, Bangalore, India**

*Jun 2020 - Mar 2023*

Software Engineer Specialist

- Gathering user stories from Business Analyst, analyse the requirements and creating flowcharts, Design Documents and Support Documents for each phase of process implementations.
- Designing and implementing different features by developing microservices using **Java and PL/SQL Scripts**.
- Create **Restful APIs** using the spring boot framework and adding functionalities to the existing applications
- Delivering as per the deadlines by pushing the code to **GitHub**, raising the pull requests in Github to perform **Code Reviews** with the team, also reviewing the Pull requests created by Team members.
- Deploy the code in **Jenkins**, Follow up with team to maintain code quality, Security issues using **Sonarqube, Polaris and Blackduck** tools, Write **Junit test cases** to verify design requirements are being met.
- Communicating with Product Owner if any impediments and help team to overcome it.
- Followed **Agile methodology**, being as a **scrum Master** following up with the team, **Leading the Scrum calls** and executing all the ceremonies of Scrum.

### **GE Transportation, Bangalore, India**

*Aug 2019 - Apr 2020*

Engineering Intern

- Worked on a Load Test Data Preparation project using **Jmeter** for locomotive maintenance. Previously, data preparation was manual with no module interlinking, consuming significant time. By automating steps like Work Order creation and defect logging using Jmeter's thread groups, we expedited data storage into CSV files, readying them swiftly for load testing.
- Also worked on Smart Ticketing System using machine learning algorithm which categorizes user-generated tickets or incidents into distinct problem categories. After classification, appropriate solutions are provided for each category. A prominent method used in this system is the Naive Bayes classification algorithm, which ensures accurate ticket categorization through predictions and model accuracy assessment.

## **Projects**

### **Rain Prediction using classification | Univeristy of North Texas, Denton**

*Aug 2023 - \**

- This project aims to leverage big data and machine learning techniques to analyse large datasets of Rain forecasting.
- We are predicting the tomorrow's rainfall, and the motivation is to mainly try with Decision tree algorithm to improve the accuracy of the results. Also using Hadoop MapReduce or Apache Spark to find variations and patterns in weather conditions.

### **Oracle Financing Division (OFD) | Oracle India Pvt Ltd**

*Mar 2023 - Jul 2023*

- This Project works on interaction between Oracle and Customers. When a customer buys software from oracle and if the customer is not willing to pay, OFD helps customers to pay money in Systematic Payments like Quarterly, monthly etc.
- I worked on **creating Java source code and loaded Jar files into Oracle SQL Developer**, also worked on writing PL/SQL Scripts and integrated Java with SQL.

### **EServices | Wabtec Corporation**

*Jun 2020 - Mar 2023*

- It is an own product of Wabtec Corporation, GE Transportation company. Automobiles need maintenance time to time. EServices deal with servicing locomotives and provides a way to drive efficiency through automation and process refinement.
- I developed Web Applications for several Projects in Eservices mainly on the Backend technologies by creating Restful APIs using **Springboot Framework and also on Database**.

## **Leadership**

- Led a team at Wabtec Corporation, offering mentorship and support to new employees, and collaboratively executed a project alongside them.
- Being a Scrum Master, driven all scrum related calls within the team and given demos across all the teams at the end of each Sprint.
- Treasurer and Team Lead at Leo Club NGO, part of teaching students in government schools in Vellore premises.