# VYSHALI CHAVA

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## EDUCATION

**The University Of Texas at Arlington**                                                                                 Apr 2024
*Master of Science in Computer and Information Sciences (GPA: 3.636/4)*                             *Arlington, Tx*
**Chaitanya Bharathi Institute of Technology**                                                                      May 2021
*Bachelor of Technology (B.Tech) , Computer science and Engineering (GPA: 7.84/10*)              *Telangana, IN*

## WORK EXPERIENCE

**Model N India Software Pvt. Ltd.**  *Associate Member Technical Staff*                          July 2021 - Jul 2022

- I contributed towards enhancing and debugging our range of revenue management applications in the life sciences sector, utilizing my knowledge of Java, Oracle SQL, React.js, and Agile techniques to tackle critical industry requirements.
- I was mainly responsible for fixing major problems in both the software's core and its user interface. To make the app run smoother, I worked on making database searches faster and more effective through various SQL optimization strategies.
- I strengthened my Java, Oracle SQL, React.Js, REST-API, Mockito, and JPA skills while working on critical issues and expanding the features of the software. I analyzed and optimized code to improve the performance and efficiency of software. Working with these softwares enhanced my skills in full stack development.
- Improved Revenue Management system functionality by identifying and resolving complex bugs, resulting in a 30% reduction in customer complaints and a 15% increase in overall system performance. I played a key role in optimizing the product suite setup, resulting in a more streamlined and efficient workflow.

    *Tech stack - Java 8, Junit5, Oracle SQL, React.js, Git, REST API, Mockito, XML, JSP, PL/SQL,UNIX*

## PROJECTS

**MEAL PLANNER | MODEL N**                                                                                     Aug 2021 - Oct 2021

*Developed an application as a part of training process*

- Developed and implemented a web application designed to optimize resource planning for food vendors by facilitating advance meal preparation scheduling.
- Led the development of the frontend, with a keen focus on employee interfaces, enabling seamless pre-booking, subscription management, cancellation, and historical tracking functionalities using React.js, extensively utilizing props, states, components, and hooks.
- Designed and implemented RESTful APIs to support the application's functionality.
- Additionally, deployed the web application using Jenkins for automated continuous integration and continuous deployment (CI/CD) processes. Maintained the application on Amazon Web Services (AWS), ensuring seamless performance, scalability, and reliability

    *Tech Stack - React JS, Spring Boot, MySQL, Jenkins, AWS*

**CUSTOMER RELATIONSHIP MANAGEMENT | AMAZON.IN**                                          Jan 2019 – July 2019

*Developed as a part of Amazon Campus Mentorship Series (ACMS)*

- Designed and developed a sophisticated CRM system in Java, empowering the sales team to efficiently handle leads, monitor their advancements
- Implemented features that allowed the sales team to effectively manage leads, track their progress, and optimize the sales process.
- Engineered a solution utilizing JavaScript on the client side to track user engagement on the website, coupled with AJAX requests to update the server in real-time. This initiative significantly enhanced sales strategies by providing valuable insights into customer behavior.

    *Tech Stack - Java, Java Script*

**IMAGE SUPER RESOLUTION**                                                                                    Aug 2020 – March 2021

- Developed a sophisticated web application focused on enhancing image resolution. Implemented SRGAN (Super-Resolution Generative Adversarial Network), a state-of-the-art deep learning technique, to significantly improve the quality of downsampled images.
- SRGAN's advanced capabilities enabled the recovery of photorealistic textures, transforming heavily degraded images into high-resolution, visually appealing outputs.

    *Tech stack - Python, Flask, HTML, CSS, Javascript*

## SKILLS

**Programming Languages:** Java, Python, JavaScript, C
**Database**: MySQL, Oracle-SQL
**Big Data** : Hadoop, Apache Spark, Apache Kafka
**Tools:**  Github(version control), AWS, Gradle, Maven, Junit, Mockito
**Frameworks***: Django, Flask, Jenkins*, React JS, Spring Boot,docker,kubernetes