

# AMRITA SINGH

Portfolio: <https://amrita3263.github.io/portfolio/>  
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## SOFTWARE SKILLS

**Languages:** Java, SQL, Python, C, PHP, JavaScript, Swift, HTML, CSS.

**Databases:** My SQL, PostgreSQL, Oracle, MongoDB, Relational DBMS, Azure SQL databases.

**Cloud Platforms:** AWS, GCP, Azure

**Frameworks/ Tools:** REST, Postman, Jenkins, Git, Bitbucket, Bootstrap, Jira, Github, Node, React, Kubernetes, MySQL, PostgreSQL.

## EDUCATION

**Master of Science in Computer Science**  
The University of Texas at Arlington, TX

*May, 2023*  
*GPA: 3.8 / 4.0*

**Bachelor of Engineering in Computer Engineering**  
University of Mumbai

*May, 2019*  
*GPA: 3.6 / 4.0*

## EXPERIENCE

**Graduate Research Assistant, Computer Science and Engineering Dept.**  
The University of Texas at Arlington, Arlington TX

*05 / 2022 – 05 / 2023*

- Used programming languages including Java and Python to create and test software prototypes to assist research projects.
- Designed and implemented solutions to challenging research challenges in collaboration with other researchers.
- Used a variety of software tools and technologies, such as Git for collaboration and version control, Android Studio for app development and R Software for data analysis to assist research operations.

**Software Developer**  
Ingram Micro, Mumbai

*06 / 2019 – 07 / 2021*

- Integrated with agile team on Java and Spring Boot to develop department's real-time order status web application.
- Resolving Jira tickets by fixing backend issues on databases using SQL and NoSQL databases leading to 30% faster query response time on customer's orders in the E-commerce platform.
- Implemented XML development and testing for dynamic updating of new charges on customer orders in the UI and developing reports on warehouse & inventory management.
- Performed weekly QA by designing test cases through implementing Regression and Selenium testing for robust performance.
- Led the analysis of existing monitoring and alerting systems for completeness and accuracy, and identified opportunities for improvement, resulting in a 20% reduction in production issues.
- Participated in on-call rotation to provide 24x7 support for the orders & payments platform.

## PROJECTS / INTERSHIPS

**Plug-in Based System for Data Visualization, Bachelor's Thesis Project**  
Terna Engineering College, Navi Mumbai

*07 / 2018 – 03 / 2019*

The project focused on creating a web based dashboard to visualize data dynamic streaming sources.

- Developed the back-end for web dashboard using JavaScript, Java, jQuery and JSON.
- Designed the UI of the dashboard using Bootstrap, CSS and Chart.js

**Android App Developer Intern**  
Trivia Softwares, Mumbai

*06 / 2018 – 08 / 2018*

- Developed diverse range of Android applications using Android Studio, showcasing proficiency in various domains such as social media, e-commerce, utility tools, and more.
- Collaborated with a team of developers to create innovative and user-friendly Android apps, gaining hands-on experience in version control, bug fixing, and testing methodologies.

**iOS App Development Intern**  
Amaranthine, Mumbai

*12 / 2017 – 01 / 2018*

- Developed an unit conversion app using Swift on XCode platform.
- Designed the app's UI to enable dynamic scaling according to the device in Apple ecosystem (iPad, iPhone and iPod) following Apple's rigorous design standards.

## CERTIFICATIONS

- Graduate Certificate In Deep Learning from the University of Texas at Arlington.
- Graduate Certificate In Big Data Management and Data Sciences from the University of Texas at Arlington.

## PUBLICATIONS

**"Plug-in based System for Data Visualization"**, International Research Journal of Engineering and Technology (IRJET),  
Volume: 06 Issue: 04, April 2019.