

AMRITA SINGH

+1(682)719-5791 | amritasingh3263@gmail.com | Irving, TX | <https://www.linkedin.com/in/amrita-singh>

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.

05 / 2022 – 05 / 2023

The University of Texas at Arlington, Arlington TX

- 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

06 / 2019 – 07 / 2021

Ingram Micro, Mumbai

- 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 / INTERNSHIPS

Plug-in Based System for Data Visualization, Bachelor's Thesis Project

07 / 2018 – 03 / 2019

Terna Engineering College, Navi Mumbai

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

06 / 2018 - 08 / 2018

Trivia Softwares, Mumbai

- 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

12 / 2017 – 01 / 2018

Amaranthine, Mumbai

- 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.

SOFTWARE SKILLS

Languages: Java, SQL, C, PHP, Python, JavaScript, Swift

Packages & Tools: Android Studio, XCode, GIT, Bitbucket, Spring Boot, Google Cloud Platform, PL/SQL, MongoDB, MS-Office, AutoCAD, Jupyter, Visual Studio, selenium, automated & manual testing.

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.