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, Kubernates, MySQL, PostgreSQL.

EDUCATION

Master of Science in Computer Science   *May, 2023*
The University of Texas at Arlington, TX   *GPA: 3.8 / 4.0*

Bachelor of Engineering in Computer Engineering   *May, 2019*
University of Mumbai   *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 / INTERSHIPS

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.

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.