Vaishnavi Reddy Mamilla

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SUMMARY

Computer Science Master's student at the University at Bu alo, set to graduate in Jan 2024, with strong passion for problem-solving through data structures and algorithms, actively seeking full-time roles in Software and Full Stack Development.

EDUCATION

University at Buffalo   Bu alo, NY
Masters of Science in Computer Science   *Aug 2022 – Jan 2024*

Jawaharlal Nehru Technological University   India
Bachelors in Information Technology   *Aug 2017 – May 2021*

EXPERIENCE

Tata Consultancy Services,Verizon   July 2021 { Aug 2022
Software Developer   *India*

- Designed and developed the **REST**-based **Microservices** using **Spring Boot**. Used **SOAP**-based messaging format to transfer the requests and responses and validate them against XML schema de nition.
- Used **Postman** for API development, testing, and HTTP request extension.
- Worked on code migration process from **Java 8** to **Java 11**, ensuring seamless compatibility with the latest Java version. Carried out thorough end-to-end testing to validate the functionality and performance of the application in the new Java environment, increasing e ciency by 80%.
- Developed Test cases and performed unit testing using **Junit** Framework

Cognizant Technology Solutions   Jan 2021 { July 2021
Software Developer Intern   *India*

- Developed an Audit Management System using **ASP.NET**
- Implemented various Micro Services using the **MVC** architecture to invoke the **CRUD** operations.
- Used **Postman** and **Swagger** to test the REST API's.
- Performed Unit testing using **NUnit** along with integration, client-side validations, and server-side validations.
- Deployed the project into **Microsoft Azure** and used **Kubernetes** and **Docker** for Continuous Integrations / Continuous Deployment.

PROJECTS

Placement Management Portal | *HTML, CSS, SQL, JavaScript*   May 2023 { July 2023

- Developed and deployed a placement management software that helps the students, companies to register and communicate all the information in the portal
- The application's core functionalities included student and company registration, job postings, resume management and interview scheduling.

Library database management system | *Java, SQL, Android Studio, JavaScript*   May 2022 { Aug 2022

- Implemented Web-based and Application-based Library database management system
- Developed the application's core functionality, including user authentication, book inventory management and search functionality
- Implemented database schema and utilized SQL queries to support data management.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C#, HTML5, CSS, C/C++, Android, PHP
Frameworks: React, NodeJS, Spring, Spring Boot, REST API, Bootstrap, Angular,.NET
Databases and software: MySQL, MongoDB, PostgreSQL, GitHub, VS Code, Postman, Jira, PyCharm
Libraries: Pandas, NumPy, Matplotlib