Sai Aparanji Nemmani

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EDUCATION

Virginia Tech — Falls Church, VA
Master of Engineering in Computer Science and Applications — *Aug 2023 - May 2025 (Expected)*
Major in Software Development and Applications
Coursework: Software Engineering, User Interface Software, and Information Visualization

Vidya Jyothi Institute of Technology — Hyderabad, India
Bachelor of Technology in Computer Science and Engineering — *Aug 2016 - Aug 2020*
Coursework: Object-Oriented Programming, Databases, Data Structures & Algorithms, and Web Technologies
GPA: 3.67/4 (CGPA: 8.92/10)

EXPERIENCE

Virtusa — Hyderabad, India
Engineer - Technology — *Feb 2022 - Jul 2023*

Test Automation:
- Automated 78% of regression test cases with tools like Virtusa Test Automation Framework (VTAF) and SELENIUM using Java.
- Troubleshooted failures and modified **83%** of existing test scripts in Eclipse IDE to align them with current requirements.
- Managed test scripts in GitHub and initiated the QA pipelines of applications for monthly releases via Azure DevOps.
- Generated and analyzed test automation summary reports for monthly releases.

Knowledge Transfer Responsibilities:
- Conducted Knowledge Transfer sessions on the application and automation tools for the newly on-boarded team members.

Associate Engineer - Technology — *Oct 2020 - Jan 2022*

Functional Testing:
- Provided Quality Assurance for monthly and quarterly project deliverable releases of AdSales web and desktop applications on an agile schedule.
- Collaborated extensively with the Development team and Business analyst to address complex issues, bugs, features, and tasks within the application, all documented in JIRA.
- Analyzed artifacts such as functional requirements and communicated queries on requirements to ensure appropriate delivery.
- Authored and executed test cases for monthly deliverables and performed various types of testing including smoke, regression, and patch testing using qTest Manager.

PROJECTS

My Vocab Bank | *ReactJS, Firebase, CSS*
- Developed a full-stack web application to store and display added vocabulary using ReactJS for the frontend
- Implemented Firebase Auth for User Authentication
- Used Firebase Database to store and retrieve vocabulary

Instagram Clone | *ReactJS, Firebase, MaterialUI, CSS*
- Developed a clone of the Instagram web application to store and display added posts and comments using ReactJS for the front end
- Implemented Firebase Auth for User Authentication
- Used Firebase Database to store and retrieve posts and comments

College Networking Site, Semester Project (Team Size: 3) | *HTML, CSS, Bootstrap, MySQL, Java Servlets*
- Developed a college networking web application consisting of Student and teacher interaction, library, and placement modules using HTML, CSS, jQuery, and Bootstrap for the front end
- Implemented back-end functionalities using Java Servlets and hosted locally using TOMCAT server.
- Used MySQL Database to store and retrieve user data and posts

SKILLS & CERTIFICATIONS

Languages: Java, Python, C, MySQL, JavaScript, HTML, CSS
Libraries/Frameworks: React, JUnit, Material-UI, Bootstrap, jQuery, Selenium, TestNG
Developer Tools: GitHub, VS Code, PyCharm, Eclipse, JIRA, Azure DevOps, Firebase
Certifications: Oracle Certified Associate, Java SE 8 Programmer (Feb 2020)

ACTIVITIES

- Volunteered at Street Cause, VJIT Division
- Volunteered at Phoenix (VJIT Sports Fests PHOENIX'17 and PHOENIX'18)