

SAI APARANJI NEMMANI

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EDUCATION

Virginia Tech | Virginia, USA
Masters in computer science

May 2025 (Expected)

Vidya Jyothi Institute of Technology | Hyderabad, India
Bachelors in computer science

August 2020

SKILLS

Languages:	Java, Python, C, MySQL, PostgreSQL, JavaScript, HTML, CSS
Libraries/Frameworks:	React.JS, JUnit, Bootstrap, jQuery, DASH, Selenium
Developer Tools:	GitHub, VS Code, PyCharm, Eclipse, JIRA, IntelliJ, Figma, Git, Firebase, Node JS
Cloud Technologies:	AWS (EC2, Lambda, VPC, RDS, API Gateway, CloudWatch, S3, Route 53), Azure DevOps (CI/CD Pipelines), Google Cloud Platform
Certifications:	Oracle Certified Associate, Java SE 8 Programmer (February 2020) Link
Coursework:	Software Engineering, User Interface S/W, Data Structures & Algorithms, Web Application Development, Cloud Computing, Object Oriented Programming, Operating Systems, Linux, Databases, Mobile Application Development, Information Security

EXPERIENCE

Virtusa | Hyderabad, India

Engineer – Technology

February 2022 – July 2023

Associate Engineer – Technology

October 2020 – January 2022

- Developed and integrated test scripts for 5 web applications on a bi-monthly sprint cycle within an agile development process, ensuring consistent and timely updates to the testing process.
- Automated 78% of regression test cases and enhanced 83% of existing scripts using Selenium with Java, significantly improving testing efficiency, functionality, and reliability.
- Modified and Scheduled Azure DevOps pipelines, aligning QA processes with release details to streamline monthly application releases, thereby enhancing efficiency in CI/CD.
- Led a team of 2 and authored comprehensive documentation for CI/CD pipelines and end-to-end test automation processes, offering clear guidelines for team members.

PROJECTS

Enchanted Pages | HTML, CSS, React JS, Typescript, Axios, RESTful APIs, MySQL, Tomcat, AWS

[Git Repository](#)

- Engineered a full-stack bookstore web application with categorized book modules, best sellers, and latest releases, including end-to-end functionality for cart, checkout, and confirmation pages.
- Deployed the app on Tomcat in AWS EC2 (public subnet) with the database in MySQL on EC2 (private subnet) within a VPC resulting in a scalable and efficient web application.

Online Slam Book | HTML, CSS, JavaScript, jQuery, Django, PostgreSQL

[Git Repository](#)

- Built a web app that enables users to personalize their slam books, featuring user authentication, friend addition, custom questions, themed backgrounds, and response tracking, providing a customizable and interactive user experience.

Event Ease | React, CSS, Axios, JavaMailSender, Spring Boot, AWS

[Git Repository](#)

- Engaged in all SDLC phases of the web application, focusing on front-end development to enhance communication, provide centralized tracking, and deliver personalized invitations and email distribution for various event types.
- Contributed to documentation, requirement use-cases, and created wireframes with Balsamiq, resulting in positive user feedback and improved engagement.

Instagram Clone | React JS, Firebase, CSS

[Git Repository](#)

- Built an Instagram web application clone using Firebase Authentication for user authentication, Firebase Storage for storing images and Firebase Database for data management of posts and comments.

Hotel Booking Demand Visualization | Python, DASH App Framework, Google Cloud Platform

[Git Repository](#)

- Created a web application using Python Libraries and DASH app framework to visualize the trends of “hotel booking demand” Kaggle dataset and hosted on Google Cloud Platform (GCP).

College Networking Site | HTML, CSS, jQuery, MySQL, Java Servlets

- Developed a comprehensive full stack college networking web application with student and teacher interaction, library, and placement modules and locally hosted on Apache TOMCAT.