

Sai Aparanji Nemmani

(571) 641 5925 | nsaiaparanji@vt.edu | Falls Church, VA (Open to relocation)

Linkedin: [linkedin/saiaparanjinemmani](https://www.linkedin.com/in/saiaparanjinemmani) | GitHub: [github/aparanji49](https://github.com/aparanji49) | Portfolio: aparanji49.github.io

EDUCATION

Virginia Tech | Virginia, US
Masters in computer science

August 2023 – May 2025(Expected graduation)
GPA: 3.87/4

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

August 2016 - August 2020

SKILLS

Languages & Databases: C, Java, Python, HTML, CSS, JavaScript ES6, TypeScript, MySQL, PostgreSQL
Libraries & Frameworks: React.js, Node.js, JUnit, Bootstrap, JSON, Axios, jQuery, Framer Motion, Selenium
Tools & Platforms: Git, GitHub, Docker, Kubernetes, JIRA, Figma, Firebase
Cloud Technologies: AWS (EC2, Lambda, VPC, RDS, API Gateway, CloudWatch, S3, Route 53, SageMaker), Azure DevOps (CI/CD pipelines), Google Cloud Platform (Hosting)
Certifications: Oracle Certified Associate, Java SE 8 Programmer (February 2020) [Link](#)
Coursework: User Interface S/W, Data Structures & Algorithms, Cloud Computing, Object Oriented Programming (OOP), Operating Systems, Linux, Database, Design Patterns

EXPERIENCE

Bunchful Enterprise August 2024 – November 2024

Web Developer Intern | *React.js, CSS, Firebase, Docker, Framer Motion, Figma, GitHub* New York, NY, US (Remote)

- Migrated the Bunchful MeCard website from WordPress to React, integrating new branding, features, responsiveness, and Firebase backend with detailed documentation.
- Optimized SEO, implemented lazy loading, and added dropdown search functionality, boosting website performance and usability with a 25% faster load speed.
- Containerized MERN and WordPress applications using Docker, reducing deployment time by 40% and streamlining workflows.

Virtusa February 2022 – July 2023

Software Engineer | *React, Jest, VS Code, Spring Boot* Hyderabad, India

- Developed 4 modules for an Ad Sales web app using React.js improving performance with lazy loading and enhancing reliability by writing unit tests with Jest.
- Resolved critical bugs and developed scalable REST APIs using Java, Spring Boot, and microservices, enhancing application reliability.
- Led a team of 2 and documented CI/CD pipelines and test automation processes, streamlining onboarding and enhancing team efficiency.

Virtusa October 2020 – January 2022

Associate Software Engineer | *Java, Azure DevOps, JIRA, GitHub, Eclipse* Hyderabad, India

- Automated 78% of regression tests and optimized 83% of scripts using Selenium with Java, reducing testing cycles and accelerating monthly releases by modifying and scheduling Azure DevOps CI/CD pipelines.
- Developed and integrated a UAT pipeline stage, enabling pre-production validation and improving deployment quality and user feedback.
- Collaborated with end users and cross-functional teams to gather requirements via JIRA and delivered high-quality code in bi-monthly sprints using GitHub within an agile environment.

PROJECTS

Enchanted Pages | *HTML, CSS, React, Typescript, JSON, Axios, RESTful APIs/REST APIs, My SQL, Tomcat* [Git Repository](#)

- Built and deployed a scalable full-stack bookstore web application with categorized modules, cart, and checkout functionalities.

Advanced Deployment of Web-based Bookstore Application on AWS | *AWS* [Git Repository](#)

- Deployed a full-stack web application on AWS within a VPC architecture, with a public subnet (webserver), private subnet (database server), NAT gateway, Internet gateway, and security groups to ensure secure and scalable accessibility.

Online Slam Book | *HTML, CSS, JavaScript, jQuery, Django, Python, 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](#)

- Contributed to SDLC phases and developed front-end features for tracking, invitations, and email distribution, enhancing user engagement and feedback.

College Networking Site | *HTML, CSS, Bootstrap, jQuery, MySQL, Java Servlets, TOMCAT*

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