Sai Aparanji Nemmani

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EDUCATION

Virginia Tech | Virginia, USA *Expected Graduation: May 2025*
Master's in computer science *GPA: 3.78/4*

Vidya Jyothi Institute of Technology | India *Aug 2016 - Aug 2020*
Bachelor's in computer science *GPA: 8.92/10 (3.67/4)*

SKILLS

Languages/Databases:	Java, C++, Python, C, JavaScript ES6, HTML, CSS, MySQL, PostgreSQL
Libraries/Frameworks:	React.js, Node.js, JUnit, Bootstrap, jQuery
Developer Tools:	Git, GitHub, VS Code, PyCharm, Eclipse IDE, IntelliJ, Docker, JIRA, Figma, Firebase
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 (OOP), Operating Systems, Linux, Database, Mobile Application Development, Information Security, Design Patterns

EXPERIENCE

Bunchful Enterprise *Aug 2024 – Present*
Web Developer Intern | React, Firebase, Docker, VS Code *New York, NY, US (Remote)*

- Migrating the Bunchful MeCard application from WordPress to **React.js**, boosting performance by 30% and improving scalability and maintainability with a component-based architecture.
- Created and configured **Dockerfile** and **Docker Compose** files for WordPress and MERN stack web applications, enabling seamless containerization, efficient deployment, and simplified application management.

Virtusa *Feb 2022 – Jul 2023*
Software Engineer | React, Jest, VS Code *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**.
- Led a team of 2 and documented **CI/CD** pipelines and test automation processes, improving onboarding and team efficiency.

Virtusa *Oct 2020 – Jan 2022*
Associate Software Engineer | Java, Azure DevOps, JIRA, GitHub, Eclipse *Hyderabad, India*

- Automated 78% of regression tests and enhanced 83% of scripts using Selenium with **Java**, while modifying and scheduling **Azure DevOps** pipelines to streamline monthly releases.
- Collaborated with end users to gather requirements using **JIRA** and delivering high-quality code in bi-monthly sprints using **GitHub** within an **agile** environment.

PROJECTS

Enchanted Pages | *HTML, CSS, React JS, Typescript, Axios, RESTful APIs/REST 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, 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*

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

Instagram Clone | *React JS, Firebase, CSS, VS Code* *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.

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 and locally hosted on **Apache TOMCAT**.