Sravani Arugunta

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Education

Georgia State University — **Atlanta, GA**
Master of Science - Computer Science. GPA 3.72 — Aug 2023 – May 2025
Coursework: Data Structures/Algorithms, Object-Oriented Programming, Web Programming, Machine Learning, NLP.

Experience

Georgia State University — **Atlanta, Georgia**
Full Stack Developer — Aug 2023 – May 2025

- Built a responsive web application using **React**, **JavaScript**, **HTML**, and **CSS**, improving mobile compatibility, boosting performance by **30%**, and increasing user engagement by **20%**.
- Developed and integrated **back-end services** using **Node.js**, **Express.js**, **TypeScript**, and **AWS DynamoDB**, streamlining workflows and reducing downtime by **30%**.
- Automated **CI/CD pipelines** with **GitHub Actions** and **AWS CodePipeline**, enabling seamless build, test, and deployment processes, which reduced release times significantly by 40%
- Monitored system health using **AWS CloudWatch**, configuring alerts for immediate issue notifications and ensuring 99.9% uptime, thereby supporting business continuity and enhancing user experience across applications.
- Streamlined team workflows with **Git version control**, reducing code conflicts by 25% and accelerating project delivery.
- Automated testing with **Jest** and **Cypress**, reducing manual testing by **50%** and improving overall code reliability and development speed by **20%**.

Autosavvy Pvt Ltd — **Hyderabad, India**
Software Development Engineer — Jul 2022 – Jul 2023

- Developed full-stack application using **React.js, Python,** and **Django REST Framework**, creating RESTful APIs with CRUD operations that boosted data flow and improved performance by 10%. Employed SOLID principles and design patterns like MVC for a scalable codebase.
- Optimized database queries, reducing query times by 20% through indexing and refactoring for enhanced system efficiency.
- Collaborated in Agile teams, participating in 10+ sprints and tracking tasks in **Jira**, improving task completion by 15%.
- Contributed to the creation of **unit tests**, helping increase code coverage by 25%, and learning best practices to reduce bugs by 30%.
- Deployed applications on Azure with 99.9% uptime, automating **CI/CD pipelines** for smooth updates. Used **Git** for version control, completing 50+ merges with minimal conflicts.

Projects

AntiCB: Cyberbullying Detection

- Superheaded an anti-cyberbullying web application that detects cyberbullying on Twitter through sentiment analysis, utilizing a CNN-based tweet classification model with 94.7% accuracy, reducing false positives by 15%, and improving processing speed by 20%.
- Built a full-stack platform with **HTML, CSS, JavaScript, Flask, and MySQL**, attracting 500+ users in the first month and achieving a 90% satisfaction rate for detection accuracy and usability.

Full Stack Web Application - Agrow Suggest

- Engineered a a user-friendly plant disease detection platform using **React**, enabling users to identify diseases from images and receive recommended treatments.
- Executed robust back-end services with **Spring Boot, PostgreSQL, and AWS CDK**, achieving 90% detection accuracy and reducing response time by 30% during beta testing with 1,000+ images processed.

Node.js - Inventory Management System:

- Designed and applied a server-side inventory management system using **Node.js and Express.js** with **RESTful APIs** for efficient CRUD operations, improving order accuracy by 30% and reducing stock discrepancies by 25%.
- Conducted stress tests for 1000 concurrent users, ensuring 99.8% uptime and enhanced performance with real-time tracking, data validation, and error-handling mechanisms.

Skills

Programming Languages Python, Java,C, TypeScript, JavaScript, C#, C++, Go
Databases: SQL Server, PostgreSQL, MySQL, MongoDB
Frontend Technologies: HTML, CSS, Bootstrap, jQuery, React.js, Angular, Next.js, Tailwind CSS
Backend Technologies & Frameworks: Node.js, Express.js, .NET, Django, Flask, Spring Boot
DevOps & Cloud Platforms: Git (Version Control), Docker, Kubernetes, Jenkins, Jira, AWS, GitHub Actions, Azure DevOps
Office Tools: Microsoft Excel, Microsoft Word, Microsoft PowerPoint

Achievements

- Pioneered a MERN stack prototype in 48 hours, securing 2nd place in Morgan Stanley's "Code to Give 2024" hackathon and creating a solution to boost community engagement for the Community Restoration Program.