

VENKATA LAKSHMI LAHARI APPALA

+1201-423-5883 | 333lahari@gmail.com | [linkedin.com/in/lahariappala](https://www.linkedin.com/in/lahariappala) | github.com/Lahari25

SUMMARY

Aspiring software engineer currently pursuing a Master's degree in Computer Science, with 1.5 years of hands-on experience in Full-Stack development, Distributed Systems, Microservices, and REST APIs. Adept at solving complex problems and building scalable, high-performance applications. Proven ability to design and implement efficient software solutions, collaborate seamlessly with cross-functional teams, and continuously enhance code quality and performance.

TECHNICAL SKILLS

Programming and Web: C, C#, C++Java, Python, HTML, CSS, Javascript, SQL, PHP, React, Node.js, TypeScript, Angular, Ruby

Tools/Databases: MySQL, MongoDB, AWS Cloud, Git, ASP.NET, VSCode, Jupyter, Eclipse, Colab

Concepts: Web Development, Data Structures & Algorithms, Operating Systems, Agile Methodology, Cloud Computing

WORK EXPERIENCE

GEORGIA STATE UNIVERSITY- GRADUATE RESEARCH ASSISTANT, Atlanta, Georgia

Jan 2024 - Present

- Successfully developed scalable and efficient **RESTful APIs** to manage dynamic data requests for a front-end JavaScript application, resulting in robust handling of over **50,000** concurrent users and ensuring a seamless user experience.
- Led multiple user testing sessions to collect feedback, refining the app's user interface, and successfully reducing post-launch bug reports by **41%**, thereby enhancing **user satisfaction** and app reliability.
- Collaborated with a developer to implement RESTful APIs using **Node.js**, optimizing performance and significantly boosting reporting **speed by 24%**, thereby improving the efficiency of the analytics team.
- Designed and developed an **MVP** for a store delivery management platform with **React** and **JavaScript**, enabling over 200 business customers to manage and monitor their deliveries efficiently.
- Conducted meticulous **code reviews** and comprehensive testing for three new features on a donor-facing web app, enhancing functionality and reliability, which led to a **12% increase** in contributions.

DELOITTE- SOFTWARE ENGINEER 1, Hyderabad, India

Aug 2023 - Dec 2023

- Spearheaded end-to-end development of **Intela**, a tax-based internal application, contributing to three new version releases and improving tax processing **efficiency** by 30%.
- Enhanced software quality by writing comprehensive integration tests, boosting code coverage by **70-80%** across frontend (Angular) and backend (.NET) systems.
- Increased application **efficiency** by 20% through strategic performance enhancements and code refactoring initiatives. Expanded application reach to **10+ languages** using the Angular framework, improving user accessibility and engagement.

TECHOLUTION- SOFTWARE ENGINEER INTERN, Hyderabad, India

Jan 2023 - Jun 2023

- Integrated third-party APIs using **Python**, enhancing app functionality and increasing user satisfaction by 24%. Improved database performance by optimizing MySQL queries, resulting in an **11% boost** in query response times.
- Streamlined the CI/CD pipeline, reducing build times by **27%** and improving deployment efficiency. Contributed to the e-commerce team by designing **algorithms** to match users to products, boosting sales by 16%.
- Participated in code reviews and **collaborated** with senior engineers, enhancing code quality by **18%** and reducing merge conflicts by 13% using Git.

EDUCATION

GEORGIA STATE UNIVERSITY

Jan 2024- Present

Master of Science in Computer Science (**GPA: 3.97/4.3**)

- **Relevant Coursework:** Data Mining, Secure and Private Artificial Intelligence, Web Programming, Machine Learning.

V R SIDDHARTHA ENGINEERING COLLEGE

Jun 2019- Apr 2023

Bachelor of Technology in Computer Science & Engineering (**GPA: 8.96/10.0**)

- **Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, Database Systems.

PROJECTS

HOME HIVE | HTML, CSS, Javascript, PHP

- **Developed** a comprehensive real estate platform featuring a centralized property database, simplified transaction procedures, and a marketplace linking users to service providers. **Implemented** user registration, role-based dashboards, and property management through a card system.
- Adopted by a real estate company, the platform improved **transaction efficiency by 20%** and received a 90% user satisfaction rate, with positive feedback for transparency, security, and customer support.

ACHIEVEMENTS

- **Awards:** Applause Award at Deloitte, Techolution Kudos Award
- **Publications:** "[Sepsis Detection using Neural Networks](#)" 2022 SMARTGENCON International Conference, "[Automatic Cephalometric Analysis using Machine Learning](#)" 2022 CONIT International Conference.