

VENKATA LAKSHMI LAHARI APPALA

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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, PostgreSQL, Flask, Kubernetes, AWS, Azure, Git, ASP.NET, VSCode, Jupyter, Eclipse, Colab
Concepts: Web Development, Data Structures & Algorithms, Operating Systems, Agile Methodology, Cloud Computing, Linux

WORK EXPERIENCE

GEORGIA STATE UNIVERSITY

Jan 2024 - Present

GRADUATE RESEARCH ASSISTANT (Software Development)

Atlanta, Georgia

- **RESTful API Development:** Developed RESTful APIs to serve data to the JavaScript front-end based on dynamically chosen user inputs, efficiently handling over **50,000 concurrent users**.
- **Feature Testing and Code Review:** Conducted code reviews and testing for three additional features on a donor-facing web app, leading to a **12% increase** in contributions.
- **Collaborative API Implementation:** Partnered with a developer to implement RESTful APIs using Node.js, enabling the analytics team to boost reporting speed by **24%**.
- **Web App MVP Creation:** Created an **MVP** for a store delivery management platform using React and JavaScript, facilitating 200+ business customers to manage and monitor deliveries.
- **User Testing and Bug Reduction:** Held multiple user testing sessions to gather feedback, refining the app's user interface and decreasing post-launch **bug reports by 41%**.

DELOITTE

Aug 2023 - Dec 2023

SOFTWARE ENGINEER 1

Hyderabad, India

- **End-to-end Development:** 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%.
- **Software Quality Improvements:** Enhanced software quality by writing comprehensive integration tests, boosting code coverage by **70-80%** across frontend (Angular) and backend (.NET) systems.
- **Performance Optimization:** Increased application **efficiency** by 20% through strategic performance enhancements and code refactoring initiatives.
- **Multilingual Accessibility:** Expanded application reach to **10+ languages** using the Angular framework, improving user accessibility and engagement.

TECHOLUTION

Jan 2023 - Jun 2023

SOFTWARE ENGINEER INTERN

Hyderabad, India

- **API Integration and User Satisfaction:** Integrated third-party APIs using **Python**, enhancing app functionality and increasing user satisfaction by 24%.
- **Database Optimization:** Improved database performance by optimizing MySQL queries, resulting in an **11% boost** in query response times.
- **CI/CD Pipeline Streamlining:** Streamlined the CI/CD pipeline, reducing build times by **27%** and improving deployment efficiency.
- **Algorithm Design for E-commerce:** Contributed to the e-commerce team by designing **algorithms** to match users to products, boosting sales by 16%.

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.