Teja Reddy Lekkala

Full Stack Development | Integrated Dual Degree(B.E(CS)+MS) | MS in IT Virginia
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Professional Summary

Highly motivated and detail-oriented Software Developer with a strong foundation in computer science and hands-on experience in full-stack development and cutting-edge technologies like blockchain. Proven ability to deliver efficient, scalable, and secure solutions while collaborating in diverse teams. Recognized for improving backend efficiency, enhancing data retrieval processes. Eager to contribute expertise to innovative software projects in dynamic environments.

Education

Master of Science in Information Technology
Washington University of Science and Technology (August 2023 – Present)
Bachelor of Technology in Computer Science and Engineering
Sri Venkateswara College of Engineering (June 2020 – May 2023)

Skills

- **Programming Languages:** C, C++, Java, Python
- **Web Technologies:** HTML, CSS, JavaScript, React.js, Angular.js, Bootstrap
- **Backend Technologies:** Node.js, Express.js, ASP.NET
- **Database Management:** PostgreSQL, MySQL, SQL Server, MongoDB
- **Blockchain and DApps:** Web3.js, Ethereum Smart Contracts
- **Version Control:** Git, GitHub
- **Cloud Platforms:** AWS, Microsoft Azure
- **Other Tools:** Docker, RESTful APIs,

Professional Experience

Software Developer
MVARO

- Designed and implemented robust physical and logical firewalls, mitigating potential cyber threats.
- Conducted live client interactions, fostering trust and achieving a 30% increase in client satisfaction.
- Orchestrated end-to-end cybersecurity protocols, reducing network vulnerabilities significantly.
- Supported hardware, software, and service maintenance, leading to a 20% decrease in system downtime.

Full-Stack Developer
AICL

- Developed full-stack web applications using Node.js, Express.js, and React.js.
- Enhanced backend system efficiency by 20% through optimized database integrations with PostgreSQL.
- Streamlined data retrieval processes, accelerating query responses by 25%.
- Spearheaded web hosting tasks, improving site performance and resource allocation.

Projects

Pedestrian Flow Monitoring Using Received Signal Strength (RSS)

- Engineered an advanced pedestrian monitoring system leveraging RSS data and algorithms, enhancing flow-counting precision by 30%.
- Conducted real-time experiments, achieving seamless indoor and outdoor data accuracy.
- Optimized processing pipelines to ensure real-time monitoring capabilities.

Inventory Management System (*IBM Collaboration*)

- Designed and deployed a scalable inventory management system for retail environments.
- Integrated secure APIs and database solutions to enhance system reliability and user access.

Certifications

- AWS Certified Developer – Associate

- Microsoft Azure Essentials Certification
- Full-Stack Web Developer Program
- Java Programming Certification
- National-Level Recognition for Technical Project Excellence

Achievements
- Achieved a 30% boost in backend system performance during internship projects.
- Secured national recognition for innovative technical solutions in software competitions.
- Successfully completed multiple high-impact certifications, validating expertise in cloud, development, and backend technologies.