Nidumukkala Naga Goutham

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Professional Summary

Graduate student in Computer Science at the University of South Dakota, specializing in software engineering, cloud computing, and full-stack development. Strong foundation in data structures, algorithms, and object-oriented software design. Experience in desktop software development, Agile methodologies, and cloud platforms. Passionate about designing, implementing, and deploying scalable solutions.

Education

University of South Dakota   **Vermillion, SD, USA**
Master of Science in Computer Science, Expected Graduation: December 2025   *2024–Present*

V.R. Siddhartha Engineering College   **Vijayawada, India**
B.Tech in Electronics and Instrumentation   *2019–2023*

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, C, Go
Web Development: ReactJS, Angular, Node.js, .NET, Spring Boot
Desktop Software: C++/Qt, JavaFX, .NET WPF
Database Systems: MySQL, SQL Server, MongoDB
Software Development: Agile/Scrum, REST APIs, Git, CI/CD, Unit Testing
Cloud Technologies: AWS, Google App Engine, Amazon EC2
Tools: GitHub, Firebase, Docker, Kubernetes

Projects

Desktop Software for Audio Processing: Developed a C++/Qt-based desktop application for audio signal processing with real-time visualization.
Full-Stack Task Management System: Built a task manager using ReactJS, Node.js, and MongoDB with real-time updates and authentication.
E-Commerce Platform Prototype: Developed an Angular and .NET-based platform implementing secure payments and user authentication.
Bug Tracking System: Created a Python/Django-based bug tracking system with Agile workflow integration.

Internships

Trainity
Software Engineering Intern   *2023*
- Assisted in developing full-stack applications using React, Node.js, and .NET.
- Conducted code reviews, unit tests, and API optimizations.
- Participated in Agile sprints and standup meetings.

APSSDC
Data Analytics Intern   *2021*
- Processed large datasets and built dashboards using Python and SQL.
- Developed predictive models for data insights.

Certifications

AI for Everyone: Coursera
The Joy of Computing using Python: NPTEL
Design, Technology, and Innovation: NPTEL