

Medisetti Srinu

Roll No: 238W5A5407

Bachelor of Technology

Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.

+91-7032949259

✉ medisettisrinu2004@gmail.com

🐙 GitHub Profile

🌐 LinkedIn Profile

Portfolio Link

PROFESSIONAL SUMMARY

Final-year B.Tech student in Artificial Intelligence & Data Science with hands-on experience in machine learning, full-stack web development, and data-driven applications. Proven ability to build and deploy scalable projects using Python, Java, React, SQL, and AWS. Strong grasp of data structures, algorithms, and problem-solving—backed by internships and hackathon experience.

EDUCATION

- **Bachelor of Technology in Artificial Intelligence And Data Science** 2023-26
Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada CGPA: 8.56
- **Diploma in Computer Engineering College** 2020-23
Government Polytechnic College, Srikakulam Percentage: 89.75%

PERSONAL PROJECTS

- **AI-Driven Platform for Early Mental Health Screening and Professional Support Platform** Github
AI-integrated website for early mental health detection and psychologist connection
 - Orphanage organizations can register on the platform, add details of their children, and have them take a mental health questionnaire. The responses are analyzed using an integrated ML model to assess their mental health status.
 - Based on the assessment results, the platform recommends nearby psychologists for timely support and intervention.
 - Technology Used: Python, ML Algorithms, HTML, CSS, Flask.
- **Full-Stack Web Application for Reporting Stray Dogs with Health Issues and NGO Coordination** Github
Platform to report sick or injured stray dogs and connect with nearby NGOs for rescue.
 - Developed a full-stack web application enabling users to report stray dogs with health issues, including image upload, geolocation, and notes.
 - Implemented role-based dashboards and NGO coordination system to assign and track rescue operations in real time.
 - Technology Used: Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, Rest API.
- **Interactive Data Structures and Algorithms Visualization Platform** Live Demo
Interactive platform to learn and visualize data structures and algorithms through animations and complexity analysis.
 - Developed an interactive web-based platform using HTML, CSS, and JavaScript to visualize data structures and algorithms with dynamic, step-by-step animations.
 - Integrated time complexity and space complexity analysis, algorithm tracing, and user-friendly UI to improve conceptual understanding and enhance learning outcomes.
 - Technology Used : React, JavaScript, CSS, HTML

INTERNSHIP EXPERIENCE

- **Software Engineering Intern - Web Development** Dec 2024 - Mar 2025
AI Medical and Engineering Researchers Society Remote
 - Built responsive React applications with component-based architecture.
 - Learned and applied React for a group Data Structures Visualization project, contributing to the Array and Stack Sorting Algorithms visualization components
- **AI-ML Internship** Apr - Jun 2024
AICTE-Eduskills Online
 - Completed AI/ML Virtual Internship at Eduskills, gaining hands-on experience in machine learning algorithms, data preprocessing, and model deployment. Developed practical skills in AI-driven problem-solving and real-world applications.

PUBLICATIONS

• **AI-Powered Mental Health Screening and Support for Homeless Children** – *2025 AI-Driven Smart Healthcare for Society 5.0*, 2025. DOI: 10.1109/IEEECONF64992.2025.10963316

– Developed an ML-based model for mental health detection with 90% accuracy.

• **Deep Learning for Methane Plume Detection** – *International Conference on Advances in Computer Engineering and Communication Systems*, 2025. Accepted

– Using U-Net based architectures for methane plume segmentation from hyperspectral imagery.

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, C, C++, SQL

Web Dev: JavaScript, HTML, CSS, XML, React, MERN Stack, Spring Boot, Hibernate

Databases: MySQL, MongoDB

Automation Tools: N8N

Frameworks: Spring, Flask, Express.js

Cloud/DevOps: AWS (EC2, S3, Load Balancers), Postman, Git/GitHub

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Web Design and Development (Frontend & Backend)

Soft Skills: Problem-solving, Self-learning, Presentation, Adaptability, Leadership

ACHIEVEMENTS

• Secured a branch rank of 162 in ECET.

• Solved 250+ problems on LeetCode, enhancing data structures and algorithms skills

CERTIFICATIONS

- | | |
|---|--------|
| • Data Structures & Algorithms – Code With Mosh | (2024) |
| • Machine Learning with Python – EDX | (2024) |
| • Developing Front-End Apps with React – EDX | (2024) |
| • Introduction to Networking – Cisco | (2024) |
| • AWS Certification – AP Skill Development | (2024) |
| • Postman API Fundamentals Student Expert – Postman | (2024) |

HACKATHONS & WORKSHOPS

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| • AI Hackathon – VR Siddhartha Engg. College – Built websites in 24 hrs. | (Feb 2025) |
| • AWS Cloud Computing Workshop – APSSDC | (Aug 2024) |
| • App Development Workshop – AI&DS Branch | (Sep 2024) |

LEADERSHIP & ACTIVITIES

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|---|----------------------|
| • Microsoft Student Ambassador – Web Domain Lead | Oct 2024 – Present |
| – Trained 50+ students on GitHub basics. | |
| – Developed the MLSC Chapter website for college. | Link |
| • Project RISHI Volunteer | |
| – Taught computer science fundamentals to rural students. | |

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

M. Srinu
Signature

Vijayawada.
23 Aug 2025