# Medisetti Srinu

Roll No: 238W5A5407
Bachelor of Technology
Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada.

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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*

- Spearheaded a system for analyzing questionnaire responses using a deployed machine learning model, to produce mental health status reports for 300+ children, achieving 80% accuracy in initial mental health status predictions.
- 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.*

- Engineered a MERN stack (MongoDB, Express.js, React.js, Node.js) web platform for reporting stray dogs with geolocation, image uploads, and real-time NGO coordination, reducing rescue response time by 40/
- 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.*

- Built an interactive Data Structures Algorithms visualization platform with React.js, JavaScript, and CSS, integrating real-time complexity analysis and algorithm tracing, enhancing learning outcomes for 200+ students.
- 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

- Developed responsive React.js applications with reusable components ,improving scalability and maintainability across multiple web modules.
- 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

- 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

- **Microsoft Student Ambassador – Web Domain Lead** Oct 2024 – Present
  - Spearheaded GitHub training sessions, tutoring 50+ students on version control best practices, and designing an accessible training guide, subsequently utilized by over 75 students in follow-up training programs.
  - Designed, developed, and deployed the official Microsoft Learn Student Chapter (MLSC) college website using Html,Css improving accessibility and digital engagement for 500+ students. 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.
26 Aug 2025