

RANGANATHAN SADHULA

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Education

Lakireddy Bali Reddy College of Engineering (CGPA 8.5/10)

2021-2025

Bachelor of Engineering

A.P, Mylavaram

Technical Skills

Programming Languages: Python, Java, C, HTML/CSS

Technologies/Frameworks: Machine Learning (ML), Deep Learning (DL), MySQL, TensorFlow, YOLOV5, OpenCV

Design Skills: UI/UX design, Graphic design

Developer Tools: VS Code, GitHub, Web flow, Photoshop

Soft Skills: Communicate, Problem-solving, Leadership, Collaborate, networking, growth mindset

Projects

Portfolio Pro 🌐 / *Next.js, CSS5, Html, Google Fonts*

July 2025

- Expanded a full-stack portfolio website with a responsive design and seamless integration between frontend and backend.
- Implemented an **admin dashboard** for dynamic updates to portfolio content, enhancing user control and flexibility.
- Engineered a data management system to store and retrieve user messages from the contact section in real-time.

Traffic Clearance System for Ambulance 🌐 / *Python, YoloV5, OpenCV, IoT, Raspberry pi, MC*

May 2025

- Developed an AI-powered traffic clearance system for ambulance, using YoloV5 and LSTM Detect Emergency.
- Real time problem one stop solution having huge impact in society.
- Integrated IoT sensor and flask-based backend to automate traffic signal control, reducing emergency response time.
- A small idea with huge impact in society solved real time-based scenario problem.

Flipkart Clone Project 🌐 / *React, Node, Firebase*

May 2023

- Improved a comprehensive e-commerce platform featuring product listings, pricing, and detailed descriptions.
- Implemented personalized user experiences with login and logout functionalities, allowing users to manage accounts effectively.
- Created a dynamic cart and checkout system for seamless product management and purchase.

Internship

MS Square Technologies- Startup

May 2024 – June 2024

UI/UX designer Intern

Remote, Vizag

- Planned and developed 3 user-friendly and responsive web design (Student, Business, and College) using various plugins and AI features to solve complex issues.
- Conducted comprehensive user research to inform persona creation, feedback and optimizing product usability.
- Iteratively designed wireframes and prototypes, employing best practices and solutions to ensure seamless user interaction for growth.

Certifications

Azure Administrator Associate, Microsoft

Apr 2023

ML Foundation Certification, Infosys SB

Nov 2023

Programming Essentials in Python, Cisco

Aug 2023

Salesforce Certified AI Associate, SF

Nov 2024

Java Full Stack Global Certification, Wipro

Sept 2024

Apache Spark for Data Engineering, IBM

July 2024

Achievements

- Secured **Best Final Year Project Award** Recognized By NIT-2025.
- Secured **2nd Prize** in **National Level Project Paper Presentation** By GMRIT-2025.
- Secured **1st Prize** – **NEONITE-2k22**, CSI Student Chapter, Velagapudi Ramakrishna Siddhartha Engineering College.