

LASYA MANDADAPU

Kattamuru, Palanudu, Andhra Pradesh

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Aspiring SDE Intern skilled in full-stack development and debugging, with strong fundamentals in data structures . with a strong passion for building real world tech solutions. I thrive on turning ideas into impactful experiences whether through full-stack web applications or intelligent systems.

Education

Vignan's Nirula Institute of Technology and Science for Women, Guntur

Bachelor of Technology in Computer Science CGPA: 9.21 2023 – Expected 2027

Narayana Junior College, Guntur

Intermediate (MPC) Percentage: 94.6% June 2021 – April 2023

Little Angels High School, Sattenapalle

SSC (10th Class) CGPA: 9.8 June 2020 – April 2021

Relevant Coursework

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Object-Oriented Programming
- Machine Learning

Internships

AI Azure Intern – Edunet Foundation[Certificate]

May–June 2025

• Successfully completed a 4-week virtual internship on AI Azure, implemented by Edunet Foundation and supported by **Microsoft** in collaboration with **AICTE**.

• Learned key AI concepts like model training, data preprocessing, and data handling for scalable ML solutions.

Projects

ATM Simulator C Language

2024 [GitHub]

- Created a simulation of ATM operations (withdrawal, deposit, pin validation) using structures and file handling in C Language.
- Used **structures** to model user accounts and **file handling** to store and retrieve transaction data.
- Strengthened debugging, logic building, and file I/O skills.

SIH Grand Finale Project Django, MySQL, HTML, CSS, Bootstrap, JavaScript, Blockchain, Machine Learning. 2025 [GitHub]

- Designed and developed a **web-based platform integrating AI and Blockchain** to help farmers manage **commodity price risks through hedging strategies**.
- Implemented **machine learning–based price prediction models (Random Forest)** to analyze historical commodity data and provide **data-driven decision support**.
- Shortlisted and presented at the **Smart India Hackathon Grand Finale**, demonstrating innovation, social impact, system-level problem solving.

Auto Mart ESP32, RFID, Django, MySQL, Arduino, HTML, CSS, Bootstrap.

2025 [GitHub]

- Designed and developed a smart shopping cart system that **automated retail billing** using **ESP32 and RFID tags**, reducing manual checkout time by **up to 90%**.
- Developed a **mobile-responsive frontend** that displays real-time cart contents, item quantity and total bill.
- Built a Django REST API backend with MySQL to receive and manage RFID tag scans, cart sessions, and real-time item tracking using **UUID-based cart IDs**.
- Configured **ESP32 to send HTTP POST requests** with the scanned RFID data to the Django server, achieving near-instant updates.

Technical Skills

Languages: C, Python, Java, JavaScript, HTML, CSS.

Database: MySQL.

Tools: Git, GitHub, VS Code, Postman, Arduino IDE

Frameworks: Django, Streamlit, Bootstrap

Achievements

- Participated and won in the **10+ hackthons and project expos**.
- Solved **250+ problems** across platforms like **HackerRank**, **CodeForces**, and **CodeChef**, strengthening algorithmic and data structure skills.
- Technical Club Coordinator in college.
- **Maintained a strong academic performance with a CGPA of 9.21/10**, reflecting consistent excellence in technical and theoretical subjects.
- **Silver Medalist in NPTEL (C Programming) IIT-certified**.
- Team Lead for the college E-Cell in collaboration with **IIT Bombay**, where our E-Cell secured an **All India Rank of 51**.
- **Our team got shortlisted for Smart India Hackathon (SIH) 2025**, showcasing innovation and problem-solving capabilities.

Languages

- English
- Telugu

Certifications

- C - NPTEL (Silver Medalist)
- Python - Infosys Springboard
- Data Structures - Coursera
- Web Development - Aajhub
- Python - HackerRank