

Simhadri Rasineni

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Educational Qualifications

**Madanapalle Institute Of Technology & Science, Madanapalle -B.Tech in CSE-9.2/10.0(Till VI semester) |2022-2026 Space - Junior College, Kummaravaandlapali-Intermediate (Class XII), MPC Stream -86.5% | 2020-2022
Z.P.H.S High School Mittapalli -Secondary School of Education (SSC) 90.6% | 2019-2020**

Skills

- **Programming Languages:** C++, Java, Python, C
- **Core Competencies :** Data Structures & Algorithms, Object-Oriented Programming, SQL, REST APIs **Operating System:** Windows, Linux
- **Frameworks and Tools:** HTML, CSS, Jupyter Notebook, VS Code, Arduino, Postman
- **Programming Tools and IDEs:** Jupyter Notebook, VS Code, GitHub, Arduino, Postman
- **Methodologies:** Agile development, Waterfall, Incremental, Spiral
- **Additional Areas:** Cloud computing, SDLC, Problem-solving, Team Leadership.

Relevant Courses

Operating Systems | Computer Networks | DBMS | Software Engineering | Machine Learning

Projects

Smart India Hackathon 2024 - Mobile App for Direct Market Access for Farmers

- Role:Team Lead; developed a cross-platform app giving farmers direct market access.
- Selected under SIH 2024 (Agriculture, Food Tech & Rural Development) for impactful socio-economic innovation. **National Level Hackathon "Innospark 1.0"(in MITS) 2024 - Autobrake Illumination**
- Technologies : Arduino software, IR Sensors, Embedded C, Hardware design
- My role:Team Lead; designed an automated brake-activated lighting system enhancing road safety and visibility. **Quality Improvement via Z-Test**
- Performed Z-test analysis to assess machine overhaul impact on defective rates, computed Z-statistics, validated hypotheses, and recommended process improvements to enhance quality and efficiency.

Work Experience

Artificial Intelligence Intern | Slash Mark -May 2024-Jul 2024

- Through this internship I gained 70-75% of AI domain Knowledge like Machine learning, Deep learning, and also basics of Data Science. Developed a Stock Price Prediction Model using supervised learning, improving prediction accuracy by 12–15%. - Gained understanding of AI model deployment and data preprocessing workflows
- **Project:**Stock price prediction using machine learning

Software Testing Intern | TechnoHack Solutions Pvt.Ltd -June 2025-Aug2025

- Through this internship gained knowledge on different testing strategies black box testing, White box testing and also manual and automation testing strategies.
- know the flow and structure of the SDLC phases of Waterfall model, Agile model, Incremental model, Spiral model.
- **project:** API testing with postman

Certifications

Microsoft copilot for productivity (Microsoft and LinkedIn) | Advanced Software Engineering (Walmart) | Cloud computing and Distribute systems (NPTEL)

