

SUGGUNA JAYA SAI

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PROFESSIONAL SUMMARY

Electronics and Communication Engineering graduate with strong academic foundations and practical project experience. Proven analytical skills and ability to contribute to innovative solutions in technical environments. Demonstrates adaptability, strong work ethic, and exceptional interpersonal skills. Capable of mastering new skills quickly and working effectively without supervision.

EDUCATION

Bachelor of Technology (B.Tech) in Electronics and Communication Engineering Usha Rama College of Engineering & Technology, JNTUK, AP *Expected Graduation:* May 2025 | **CGPA:** 8.12/10

Intermediate Sri Chaitanya Jr college, Board of Intermediate Education, AP: May 2021 | **Percentage:** 93.3%

10th Standard Sri Sai Vasavi Vidhya Nikethan High School, Board of Secondary Education, AP *Graduated:* May 2019 | **CGPA:** 9.5/10

SKILLS

- **Programming languages:** C, C++, Embedded C
- **Operating systems:** Windows, Linux
- **Tools and software:** MATLAB, Git, Microsoft Office
- **Collaboration and communication**
- **Problem solving and critical thinking**
- **VLSI design principles**

PROJECTS

Efficient Dual-Mobile Charger Strategy for Prolonged Wireless Sensor Networks October 2024 – April 2025 Role: Project Leader & Lead Presenter | Team Size: 4, Led a team of four to develop and present a Developed the Collaborative Charging Scheduling Algorithm (CCSA) for wireless sensor networks (WSNs) to optimize recharging of sensors using two mobile chargers. The algorithm prioritizes charging important sensors to maximize network longevity and reduce sensor downtime. Simulations demonstrated improved sensor performance and effective management of multiple mobile chargers.

INTERNSHIPS

Offline Internship: Very Large-Scale Integration (VLSI) Karthikeya Software Solutions Pvt. Ltd
November 2024 – April 2025

- Acquired hands-on experience with VLSI design principles and methodologies.
- Assisted throughout VLSI development lifecycle, deepening knowledge of circuit design and integration.

Virtual Internship: Artificial Intelligence and Machine Learning Eduskills Nation Building Through Skills *Dec– Feb 2023*

- Explored fundamental concepts and practical applications of AI and machine learning.
- Developed foundational understanding of algorithms, data processing, and model training.

Virtual Internship: Python Programming Bist Technologies Pvt Ltd *May – July 2024*

- Implemented classes, inheritance, polymorphism, and encapsulation.
- Used OOP principles to build modular and reusable components.
- Created scripts to automate tasks (e.g., data cleaning, report generation).

Declaration

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

Date:

Place:

(sugguna jayasai)