

Kolaparthi Samrat

Entry Level Graduate | Software Developer

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Summary

Aspiring Software Developer with a strong foundation in programming languages and development methodologies, seeking an entry-level position to leverage skills and contribute to innovative projects. Eager to grow within a dynamic development team.

Education

Bachelor of Technology in Electrical and Electronics Engineering Sree Venkateswara College of Engineering, Nellore, India	November 2021 – May 2024 Percentage: 70.43%
Diploma in Electrical and Electronics Engineering AL-HUDA Polytechnic College, Nellore, India	June 2018 – August 2021 Percentage: 82.34%
X- Board of Secondary Education of Andhra Pradesh Ravindra Bharathi E.M High School, Nellore, India	June 2017 – April 2018 CGPA: 8.5

Technical Skills

- **Programming Languages:** Python
- **Web Technologies:** HTML, CSS, Bootstrap
- **Database Management:** SQL
- **Software Tools:** Git, VS Code, MS Office
- **Operating Systems:** Windows
- **IoT, Embedded Systems**

Internships

Braino Vision Solutions Embedded Systems & IoT Intern	January 2024 – April 2024
<ul style="list-style-type: none">• Developed and deployed IoT-based solutions for smart home automation, optimizing energy usage through sensor integration and data analytics using Arduino and Raspberry Pi.• Engineered robust embedded systems by designing firmware using C and Python, improving system efficiency by 30% while ensuring seamless communication via MQTT protocols.	

Projects

GSM-Based Power Grid Monitoring with Data Acquisition System:	March 2024 – April 2024
<ul style="list-style-type: none">• Established and implemented a GSM-based system to monitor power grid parameters, reducing downtime through real-time alerts and fault detection.• Constructed a data acquisition system with precision sensors, achieving accuracy in capturing voltage, current, and frequency metrics.• Conducted rigorous testing and troubleshooting of hardware and software components, optimizing system reliability to minimize failure rates.	

Portfolio Website:	December 2024 – January 2025
<p>A website Built using frontend technologies to demonstrate the overview of a candidate.</p> <ul style="list-style-type: none">• Showcases skills, projects, and experience with a responsive and interactive user interface.• Includes sections for bio, skills, project highlights, and contact information.• Other projects were in my portfolio are:• Calculator: Designed a user-friendly calculator supporting basic arithmetic operations with error handling and dynamic display.• Weather App: Developed a weather app providing real-time updates and a dynamic background.• To-Do List App: Built a task management app with task categorization, and local storage.	

Certifications & Trainings

- Completed Introduction to IoT certification – NPTEL Swayam.
- [Achieved certification in static website development through Build Your Own Static Website – NXTWAVE.](#)
- [Earned responsive web design certification through Build Your Own Responsive Website – NXTWAVE.](#)