

P NAGA SIDDARTHA REDDY

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SUMMARY

Results-driven professional with strong analytical, multitasking, and communication skills, specializing in full-stack development. Passionate about building efficient and scalable solutions using modern technologies. Seeking to leverage my technical expertise to drive innovation and deliver impactful results at a leading tech company.

EXPERIENCE

Software Developer

Aadivakula Electronics

Bengaluru | Dec 2024 – Present

- Built a real-time industrial control dashboard using HTML, CSS, Node.js, Socket.IO, and WebSockets.
- Integrated UDP communication for microcontroller interaction, enabling low-latency data exchange.
- Developed secure user authentication, relay control logic, and live monitoring features.
- Bridged embedded systems with web technologies to deliver smart automation solutions.

DevOps Intern

Procorp

Hyderabad | May 2024 – Nov 2024

- Underwent training in CI/CD, Docker, Jenkins, Git, and cloud deployment tools.
- Gained hands-on experience in automating software development lifecycle processes.

Software Engineering Intern

Evolute-IQ

Bengaluru | June 2023 – Aug 2023

- Built a web-based ordering system using a low-code/no-code platform.
- Streamlined development of dynamic web apps with drag-and-drop modules, reducing development time by 60%.
- Created a cloud kitchen management system for order tracking, inventory, and customer feedback.

PROJECTS

Real-time IoT control dashboard

Dec 2024 - Present

Aadivakula Electronics

- Built a **real-time IoT dashboard** for remote relay control using **Socket.IO** for frontend-backend communication.
- Integrated **UDP protocol** for low-latency data exchange with microcontrollers.
- Implemented **secure user authentication** and robust **error handling** for system reliability.
- Enabled **live data visualization** to monitor relay states and system performance.
- Bridged **web and embedded systems** to support **industrial automation** applications.

AI-Powered Website Builder

<https://github.com/SiddarthaPoola/Webbloom>

- Developed an AI-driven web application that automates website creation by generating project structure, files, and code based on user inputs.
- Built the frontend using React.js and Tailwind CSS, integrated AI-powered step generation with Node.js and Axios, and enabled live code execution using Web Container API.
- Implemented a dynamic file management system and code editor for real-time modifications, preview, and seamless user experience.

Library Management

https://github.com/SiddarthaPoola/Library_Management

- Designed and developed a full-stack web application for managing library resources using React.js, Node.js, CSS, and MongoDB.
- Implemented features such as book tracking, user authentication, and digital asset management, improving operational efficiency by 30%.

EDUCATION

Manipal University Jaipur

BTech in Information Technology • 2024 • 8.23

CERTIFICATIONS

Mastering Data Structures and Algorithms - **Udemy**

Data Base Foundations -**Oracle**

INVOLVEMENT

Manipal University Jaipur- Organized and participated in competitive programming Codeathons—CryptX, CodeGlitz & Hackraft as part of the Randomize Club.

Member of the Sponsorship Committee at **Oneiros'22**, the annual cultural fest of Manipal University Jaipur.

EXPERTISE

Languages: C/C++, Java

Front-End: HTML, CSS, JavaScript, React.js

Back-End: Node.js, Express.js, PHP

Database: SQL, Mongo DB

DevOps: Docker, AWS, Git, GitHub, Linux, Bash, Terraform, Ansible