

ANTATI SRAVANI

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Education

International Institute of Information Technology, Hyderabad

Bachelor of Technology in Computer Science and Engineering

Hyderabad, Telangana

July. 2023 – Currently

Rajiv Gandhi University of Knowledge and Technologies

Higher Secondary, CGPA: 9.9

Kadapa, Andhra Pradesh

2021 – 2023

Experience

Web Development Intern

Dec. 2024 – Jan. 2025

Prodigy InfoTech

Remote

- Successfully completed a 1-month internship focused on Web Development.
- Worked on developing user-friendly webpages with modern design principles.
- Gained hands-on experience in front-end and back-end development, utilizing technologies like HTML, CSS, JavaScript, and frameworks like React.
- Received outstanding remarks for performance and contribution.
- [View Certificate of Completion](#)

Projects

Music Industry Database

Python,  GitHub

- Developed a comprehensive database to manage and organize information about artists, albums, tracks, distributions, comments, concerts, and music genres.
- Implemented using Python and MySQL to provide reliable backend management.

E-commerce Website

MERN Stack,  GitHub

- Built a fully functional e-commerce website using MongoDB, Express.js, React, and Node.js.
- Implemented features such as user authentication, product catalog, shopping cart, and secure payment integration.
- Optimized database queries and API endpoints to enhance performance and scalability.

Dynamic Video Creation Webpage

HTML, CSS, JavaScript,  GitHub

- Created a user-friendly webpage where users can upload pictures, apply transitions, and add music to create beautiful videos.
- [View Website](#)

C-Shell Implementation

C,  GitHub

- Developed a custom shell in C with features like I/O redirection, changing directories, piping, and process management.

XV6 Operating System

C, Kernel Development,  GitHub

- Worked on the xv6 operating system, implementing system calls and enhancing kernel functionality.
- Implemented scheduling policies like Lottery-Based Scheduling (LBS) and Multi-Level Feedback Queue (MLFQ).

Network File System

Distributed Systems, C  GitHub

- Developed a simple distributed file system that facilitates seamless interaction between clients, a naming server, and storage servers.
- Implemented client-side operations for file management (e.g., creating, reading, writing, deleting files, listing directories, retrieving metadata, and streaming audio).
- Designed a central naming server to manage file locations and direct clients to appropriate storage servers.
- Built storage servers to handle file storage, retrieval, and ensure data persistence across the network.

ML-Driven Self-Adaptive Differential Amplifier

Arduino, Machine Learning,  GitHub

- Developed a differential amplifier circuit with self-adapting capabilities to mitigate performance issues caused by voltage and temperatures.
- Implemented machine learning algorithms on an Arduino board for real-time adaptability.

Patient Monitoring System

MQTT, HTTP,  GitHub

- Developed a system utilizing MQTT and HTTP protocols for real-time monitoring of patient vitals.

Technical Skills

Languages: C, Python (basic), JavaScript, HTML, CSS, SQL

Frameworks and Stacks: MERN Stack (MongoDB, Express.js, React, Node.js)

Hardware and Embedded Systems: Arduino, ESP32

Developer Tools: Shell Scripting, x86 Assembly Language

Operating Systems Knowledge: Concepts of Operating Systems, Systems Programming, Advanced OS

Web Development: HTML, CSS, JavaScript, React

Database Management: SQL (Database Management)