ANTATI SRAVANI

International Institute of Information Technology, Hyderabad

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EDUCATION

B.Tech. (CSE) - 6.17 CGPA

International Institute of Information Technology, Hyderabad

📅 July 2023 – Currently

Higher Secondary - 9.9 CGPA

Rajiv Gandhi University of Knowledge and Technologies

📅 2023

Secondary - 600 MARKS

Red Cherries

📅 2021

ACHIEVEMENTS

- District level Volleyball player.
- Elected as School Pupil Leader.

TECHNICAL SKILLS

- Arduino,ESP32
- C, C++, Python (basic)
- HTML, CSS, JavaScript (Web Development)
- SQL (Database Management)
- Shell Scripting
- x86 Assembly Language
- Operating System Courses: Concepts of Operating Systems, Systems Programming, and Advanced OS

PERSONAL SKILLS

- Having Leadership Qualities.
- Ability to take initiative to solve problems.
- Strong interpersonal skills: Able to connect easily with people, build rapport, and establish long-lasting relationships.
- Effective communication: Comfortable interacting with individuals from all backgrounds and able to present ideas clearly.
- Sales and marketing skills: Experienced in promoting products and services through persuasive communication and relationship-building.
- Charismatic and approachable: Ability to influence and motivate others in both professional and casual settings.

HOBBIES

- Gardening: Passionate about nurturing plants and creating green spaces.
- Reading Newspapers: Staying informed about current affairs and global trends.
- Sports: Active in Volleyball and Badminton.

PROJECTS

Patient Monitoring System

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

Dynamic Video Creation Webpage

- Created a user-friendly webpage where users can upload pictures, apply transitions, and add music to create beautiful videos.

C-Shell Implementation

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

XV6 Operating System

- Worked on the xv6 operating system, implementing system calls and enhancing kernel functionality.Implemented scheduling policies like LBS AND MLFQ

ML-DRIVEN SELF ADAPTIVE DIFFERENTIAL AMPLIFIER

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

MUSIC INDUSTRY DATABASE

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

NETWORK FILE SYSTEM

- Developed a simple distributed file system that facilitates seamless interaction between clients, a naming server, and storage servers. Key components included:
  - Clients: Implemented client-side operations for file management (e.g., creating, reading, writing, deleting files, listing directories, retrieving metadata, and streaming audio).
  - Naming Server: Designed a central directory service to manage file locations, directing clients to appropriate storage servers for requested files.
  - Storage Servers: Built storage servers responsible for handling file storage, retrieval, and ensuring data persistence across the network.