Abburi Sai Keerthi

6301205454 | abburisaikeerthi@gmail.com | linkedin.com/in/abburisaikeerthi ⌐
github.com/abburisaikeerthi ⌐ | leetcode.com/abburisaikeerthi ⌐

Objective

Electronics and Communication Engineering student specializing in VLSI, FPGA, and cloud computing. Passionate about integrating hardware with VLSI to develop innovative, cloud-powered solutions for real-world challenges.

Education

Amrita Vishwa Vidyapeetham, Bangalore   2022 – 2026
Bachelor of Technology in Electronics and Communications   *CGPA: 8.12*

Narayana Junior College, Vijayawada   2020 – 2022
Intermediate   *CGPA: 9.55*

Viswabharathi English medium High School, Gudivada   2019 – 2020
High School   *CGPA: 10.0*

Projects

Health Monitoring System ⌐ | *Arduino*
- Interfaced Arduino with a pulse sensor, LM35 temperature sensor, LCD, and ECG sensor to develop a real-time health monitoring system with a graphical display.
- Established communication between Arduino and the Processing IDE to enable real-time data visualization in the GUI.

Bus Reservation ⌐ | *Linux*
- Developed a simple Bus Reservation System in C, enabling users to manage bus reservations efficiently.
- Implemented functions to initialize the bus, display available seats, reserve seats, and cancel reservations.

System-Level PCB design for a digital Calculator
- Developed a system-level PCB design for a digital calculator to perform binary operations.
- Optimized binary calculations to improve computational accuracy in digital systems.

MATLAB-Based Karaoke Extraction Using Filtering and Spectrogram Analysis
- Developed a MATLAB system using filtering and spectrogram analysis to isolate vocals from songs.
- Facilitated the creation of karaoke tracks, enriching the music experience for users.

Skills

Languages: Python
Libraries: Linux,LTspice,Arduino IDE
Soft SKills: Analytical Skills,Problem-solving,Critical thinking,Teamwork

Certifications

AWS Certified Cloud Practitioner ⌐
Python-Kaggle ⌐
Flipkart Runway 4.0-Participation ⌐

Organizations

Codechef ASEB: This club is comprised of individuals who have a passion for programming and enjoy taking part in virtual competitions.