YASHVI PATEL

Phone no: 9499578351
Visnagar, Mehsana-384315
Mail: yashvirpatel07@gmail.com

CAREER OBJECTIVE:

To obtain an entry-level position in embedded systems where I can apply my knowledge of C programming, microcontrollers, and hardware–software integration, while continuously learning and contributing to the development of reliable and efficient embedded solutions.

ACADEMIC DETAILS:

Vishwakarma Government Engineering college, Ahmedabad
Bachelor of Electronics and communication Engineering | In Progress |
Year of
Completion: 2026 | Score: 7.50 CGPA
Higher secondary board
N. M. Nootan Sarva Vidhyalaya, Visnagar | GSEB Board | Year-2022 | Score: 69.50%
Secondary board
N. M. Nootan Sarva Vidhyalaya, Visnagar | GSEB Board | Year-2020 | Score: 86.16%

SKILLS:

Programming & HDL Languages: C, Verilog
Tools and IDEs: Visual Studio Code, Arduino IDE, Atmel studio, Vivado, Proteus
Core concepts: Digital Electronics, Communication Protocols, Understanding of RTOS and Embedded System, RTL Design & Verification (Verilog)
OS: Windows10/11, Linux - basic command-line usage
Personal Competencies: Attention to detail, Analytical thinking, Willingness to learn new tools

PROJECTS & WORK:

Solar Tracking System using Arduino UNO
Role: Idea Development, Writing Code, Integrating Hardware Problem
Tools used: Arduino IDE, Proteus
Outcome: The project built a solar tracking system using Arduino Uno that moves the solar panel to follow the sun during the day. It uses light sensors to find the sun and servo motors to turn the panel. This helps the panel get more sunlight and produce more energy than a fixed panel.

Temperature Monitoring System using ATmega32
Role: Writing Code, Worked in a team to assemble and integrate hardware components
Tools Used: ATmega32 microcontroller, LM35 temperature sensor, 16x2 LCD, Embedded C (AVR-GCC), AVR Studio/Proteus for simulation, hardware prototyping kit.
Outcome: Successfully designed a working prototype that accurately sensed and displayed temperature, provided threshold-based alerts, and demonstrated proficiency in microcontroller programming and hardware interfacing.