

PATTABHI AISHWARYA

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Profile

Electronics and Communication Engineering graduate with expertise in hardware and software development. Demonstrates strong adaptability and attention to detail, effectively solving complex problems. Committed to leveraging technical skills in dynamic environments to drive innovation and efficiency. Focused on continuous learning and professional advancement.

Skills

- Technical skills: Python, HTML, CSS, JavaScript
- Database management with MySQL
- MS Excel, Power BI
- Problem-solving abilities
- Teamwork and collaboration
- Communication proficiency

Internship

NSIC | Intern | 05/2024 – 06/2024

- During my internship at NSIC, I gained hands-on experience in VLSI digital circuit implementation using Vivado Xilinx software, working on design, synthesis, and simulation of digital circuits.
- My tasks involved designing RTL circuits, optimizing for performance and resource utilization, and validating functionality through simulations, which enhanced my practical understanding of VLSI design principles.
- The internship reinforced my interest in VLSI design and significantly contributed to my technical growth, preparing me for future opportunities in digital design and VLSI technology.

Education

Malla Reddy Engineering College For Women | Hyderabad

BACHELOR OF TECHNOLOGY in Electronics and Communication Engineering

2021 – 2025 | CGPA : 8.1

Narayana Jr College | Hyderabad

INTERMEDIATE EDUCATION in MPC

2019 – 2021 | CGPA : 8.3

Balaji High School | Hyderabad

SECONDARY SCHOOL in SSC

2019 | CGPA : 8.3

Projects

Mudslide Disaster Monitoring and Early Warning System Based on ESP32, The Mudslide Disaster Monitoring and Early Warning System utilizes an ESP32 microcontroller along with soil moisture sensors, accelerometers, rain sensors, GSM module, and wired communication systems for real-time monitoring of potential mudslide conditions. The ESP32 is chosen for its low power consumption and integrated Wi-Fi and Bluetooth, making it ideal for remote monitoring applications. The system can trigger alerts when it detects critical conditions such as high soil moisture, significant ground movement, or heavy rainfall, sending warnings via GSM to authorities and activating local alarms for residents. A dual communication approach with both wireless (GSM) and wired systems ensures operational reliability even in areas with challenging terrain or environmental conditions.

Certification

- Programming Essentials in C and Python by Cisco Networking Academy
- Certified in Coursera in C, Python
- Certified in Cambridge English Empower (C1 level)
- Participated in national level Ideathon challenge.

Websites

- <https://github.com/Aishwaryapattabhi7>
- <https://www.linkedin.com/in/pattabhi-aishwarya-584a0933a/>