P S THARANI

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Objective

Motivated 3rd-year B.E. CSE student with interests in entrepreneurship, IoT, web development, and Python. Seeking internships in IoT or software roles focused on Python, HTML/CSS, and business-oriented tech solutions. Passionate about working in innovative, venture-driven teams.

Technical Skills

NETWORKING:

- OSI, TCP/IP, Subnetting, VLANs, Cisco IOS, Packet Tracer.

PROGRAMMING & DEVELOPMENT:

- Python, HTML/CSS, IoT Basics, Web Development, Github.

BUSINESS & VENTURE SKILLS:

- R&D, Competitor Analysis, Market Research, Innovation Strategy

PROJECTS

Automated Emergency Response System Via Satellite (AERSVS) – patented   **MAY 2024**

Developed a IoT-based emergency alert system that uses satellite communication to automatically detect and report accidents or distress signals, ensuring timely rescue in remote areas. Integrated MEMS sensors and microcontrollers for real-time monitoring and manual SOS activation.

Disability Support Matching Platform   **FEB 2025**

Developed a web-based platform using React, Node.js, Python, and SQL to connect disabled individuals with scribes in real-time. Implemented a custom algorithm to efficiently match users based on needs and availability, addressing the lack of timely scribe support in society.

INTERNSHIP

Cisco AICT Virtual Internship   **MAY 2023**

Completed the Cisco AICT Virtual Internship, gaining hands-on experience in configuring routers, switches, VLANs, and securing networks. Developed skills in troubleshooting, performance optimization, and managing Cisco technologies to design and maintain reliable, segmented, and secure network infrastructures through real-world scenarios.

Achievements

- Hack'o'holic-0.5(3rd Prize)
- REVOTRONICS'25(1st Prize)
- Recognized by DPIIT & StartupTN for Smart Card Holders project.
- Startup Café-CED AU (Finalist)

Education

Bachelor of Computer Science, St. Joseph's College Of Engineering

- CGPA: 7.46