

P S THARANI

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Objective

Motivated final-year B. E. Computer Science Engineering student with a **strong foundation in Networking, IoT, and Python**. Actively seeking full-time opportunities or internships in network engineering, system support. Skilled in **OSI/TCP-IP models, VLANs, Cisco IOS**, and **web development (HTML/CSS)**. Passionate about working in **innovation-led, venture-driven teams**, with a goal to contribute to secure and **Scalable network infrastructures** in fast-paced tech environments.

Technical Skills

NETWORKING:

OSI, TCP/IP, Subnetting, VLANs, Cisco IOS, Packet Tracer, VOIP, Static /Dynamic Routing
Cisco switches, Fortigate Firewalls(Basic Configuration).

Tools:

Wireshark, FortiOS, Kali Linux, Packet Tracer, GNS3 (Beginner) etc..

PROGRAMMING & DEVELOPMENT:

Python, HTML/CSS, IoT Basics, Web Development, Github, Socket Programming in Python.

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.

Real-Time Network Configuration using FortiGate Firewall

SEP 2024

Configured a secure network environment using FortiGate firewall, enabling access control, firewall rules. Demonstrated real-time configuration of LAN interfaces, static routing, and traffic monitoring using FortiOS. Gained practical experience in enterprise-grade network security and segmentation.
Project link: [LinkedIn Demo](#)

Disability Support Matching Platform

FEB 2025

Developed a web-based platform using React, Node, Python 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

GNSS Summer Internship- IITTNiF On-site

JUN 2025

Worked on real-time GNSS dual-frequency data to model and analyze **Total Electron Content (TEC)** variations in the **Equatorial Ionospheric Anomaly (EIA)** zone. Utilized tool **Python** for ISMR data preprocessing, applied ionospheric correction models, and developed visualization dashboards to support ionospheric forecasting and precision navigation.

Cisco AICTE Virtual Internship Remote

MAY 2024

Completed the Cisco AICTE Virtual Internship, gaining 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**.

Certifications

- Cisco AICTE Virtual Internship May 2024
- Introduction to Packet Tracer (Cisco Networking Academy) May 2024
- Networking Essentials(Cisco Networking Academy) Jun 2024

Achievements:

- Secured **3rd prize** at Hack'o'holic-0.5, a national-level hackathon where I kickstarted my startup journey with an innovative tech solution. [LinkedIn](#)
- Recognized by **DPIIT & StartupTN** for our startup idea, receiving a **Startup Card** from the Tamil Nadu government to support our future growth. [LinkedIn](#)
- Won **1st prize** at **REVOTRONICS'25**, conducted at REC College, where I enhanced my IoT skills and significantly improved my networking and collaboration abilities. [LinkedIn](#)
- **Finalist** at the ongoing **Startup Café** by the Centre for Entrepreneurship Development (Anna University), a prototype funding event offering support of up to **₹6 Lakhs**.
- Won **2nd prize** at Networking Hackathon, where I tested and showcased my networking skills with the support of my college networking instructor.

Leadership & Member:

- Alumni Meet Coordinator, St. Joseph's College of Engineering – 2024
- Teachers' Day Coordinator, St. Joseph's College of Engineering – 2023
- Student at Cisco CCNA Networking Academy PEP, St. Joseph's College of Engineering – Present
- Member, Coding Club, St. Joseph's College of Engineering – Present

Education

Bachelor of Engineering in Computer Science Engineering, St. Joseph's College Of Engineering
CGPA(6th SEM): 7.57