

YASWANTH NATARAJ

<https://www.yaswanth.online/>

EXPERIENCE

Hardware and Networking Support Engineer skynetbee artificial intelligence enterprises pvt ltd Erode,India|Dec 2023-Current

Adept Hardware and Networking Support Engineer with a proven track record at SKYNET BEE, enhancing system performance and ensuring robust network security. Excelled in deploying virtualization technologies and managing LAN/WAN, coupled with strong problem-solving abilities and configuration management skills. Achieved significant improvements in system reliability and team outcomes through innovative solutions and effective end-user training..



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Erode,India.

- Lorem Tested new products prior to deployment in production environment for compatibility purposes.
- Evaluated system availability, throughput and latency to lead network planning, installation, configuration, and testing.
- Conferred with network users about solutions to existing system problems.
- Secured network access by installing firewalls, establishing login credentials and maintaining documentation to govern entry.
- Repaired damaged parts or replaced faulty components with compatible replacements.
- Monitored system performance levels to detect potential issues before they become serious problems.
- Planned, tested and supported high-availability infrastructures.
- Diagnosed, troubleshoot and resolved hardware and system problems.
- Coordinated with vendors on procurement of new hardware components according to organizational needs.
- Contributed innovative ideas and solutions to enhance team performance and outcomes.

LANGUAGE

- Tamil (Fluent)
- English (Intermediate)

EXPERTISE

- **Hardware and Networking Support EngineersSkynet Bee, Erode, India | Dec 2023 - Present**
- Server Administartion
- System Maintenance
- Hardware Installation
- Linux server administration
- LAN & WAN Management
- Switches & Routers

SKILLS SUMMARY

- **IoT Development:** Expertise in ESP32, ESP8266, and microcontroller-based systems.
- **Automation Projects:** Proficient in designing and deploying IoT automation for residential and healthcare applications.
- **Hardware & Networking:** Skilled in server management, hardware installation, and LAN/WAN configuration.
- **Safety Implementation:** Experience in implementing system-level safety protocols and ensuring secure data transmission.
- **Coding Proficiency:** Strong in C++, Python, and Arduino IDE for embedded systems programming.
- **Virtualization:** Hands-on experience with virtual machine configuration and network simulations.

EDUCATION

RD National College of Arts & Science, Erode

B.Sc. Information Technology | 2023 - Current

Ganapathiapalyam GHSS, Erode

Commerce & Arts | 2022 - 2023

PROJECTS

1. Wheelchair Automation

- Developed an IoT-enabled wheelchair system for remote mobility control.
- Utilized ESP8266 for seamless communication with a mobile app interface.
- Ensured user safety by integrating obstacle detection and fail-safe mechanisms.

• https://www.youtube.com/watch?v=tBF_6Q3sEno

2. Smart Home Automation

- Designed a complete home automation system for controlling lights, fans, and appliances.
- Leveraged ESP32 with MQTT protocol for efficient communication and control.
- Implemented security features like encrypted data transmission and failover systems.

• <https://www.youtube.com/shorts/10VeMPTLIPO?si=OsGlime-ApUzHDHe>