

Vignesh Thanigaivel

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PROFESSIONAL SUMMARY

Web designer with a strong technical background, proficient in Python, HTML, CSS, and C. With extensive experience in server building, administration, and web development, I have a proven track record of designing and implementing robust web applications and server infrastructures over my freelancing projects. My expertise spans from front-end design to back-end server management, ensuring seamless and efficient operations. I thrive in dynamic tech environments, where I can leverage my skills to innovate and enhance user experiences. I am passionate about staying up-to-date with industry trends and continuously improving my craft to deliver high-quality, reliable solutions.

SKILLS

Python, C, C++, Java, WebD, HTML, SQL, Nginx, Django, Server Administration

EMPLOYMENT HISTORY

Jun. 2023 - Present

Server Administrator, Freelance.

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- Recommend purchase of equipment to control dust, temperature, or humidity in area of system installation.
- Monitor functioning of equipment to ensure system operates in conformance with specifications.
- Coordinate installation of servers and server based software system.
- Develop server and server software system and validation procedures.
- Analyze information to determine, recommend, and plan installation of a new system and modification of an existing system.

Jul. 2024 - Aug. 2024
Coimbatore , Tamil Nadu

Server Design & Administration (Internship), RC Studios.

Jun. 2024 - Jul. 2024
Kalpakkam , Tamil Nadu

Wireless Sensor Networks (Internship), Indira Gandhi Centre for Atomic Research [IGCAR].

I have designed a wireless packet loss testing mechanism using 25 Zigbee modules and Cortex M0+ based SAMD20 microcontroller, demonstrating my ability to work with wireless communication technologies and advanced microcontrollers. I possess knowledge of various wireless communication methods, IEEE protocols, ADC and other components. Additionally, I have hands-on experience in microcontroller applications, encompassing everything from 8-bit to 32-bit and DSP microcontrollers, integrating components like CPUs, memory, I/O ports, timers, ADCs, DACs, serial communication interfaces, and more, to create efficient embedded systems.

Mar. 2023

Website Design, FreeLance.

- Design, build and maintain web sites.
- Host websites on servers and maintainance.
- Install and configure hypertext transfer protocol (HTTP) servers and associated operating systems.
- Register, Renew and Maintain domain name registrations and DNS Records.
- Develop databases that support web applications and web sites.

LANGUAGES

English, Tamil, Hindi, German

PUBLICATIONS

Cloud-Controlled Dynamic Smart Street Lighting System

R Rishab, S Sarumathi, Vignesh T A, Gokul Nittin A, Janani Shruthi B, Abhishek V, K Govardhan
2023 International Conference on Next Generation Electronics (NEleX)

Date of Conference: December 14-16, 2023

Published in IEEE Xplore: February 16, 2024

DOI: 10.1109/NEleX59773.2023.10420861

Cloud-Controlled Dynamic Smart Street Lighting System

K G Anandha Jothi; T A Vignesh; A Gokul Nittin; M Vinoth; B Janani Shruthi; V Abhishek; Neeraj Srinivasan; K Govardhan
2024 3rd International Conference on Artificial Intelligence For Internet of Things (AlIoT)

Date of Conference: 03-04 May 2024

Published in IEEE Xplore: 02 July 2024

DOI: 10.1109/AlIoT58432.2024.10574611

EDUCATION

Feb. 2026

B.Tech: Electronics and Communication Engineering with Specialization in Biomedical Engineering

- Vellore Institute of Technology, Vellore, Tamil Nadu