ROOPAVANAN R
COMPUTER SCIENCE ENGINEER

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CAREER OBJECTIVE

A dedicated and detail-oriented Front-End Developer with 1 year of experience in building responsive and user-friendly web interfaces. Seeking a challenging position at a reputed organization to further enhance my development skills, gain exposure to modern technologies, and contribute effectively to impactful projects.

PROFESSIONAL EXPERIENCE

Yuvabe   October 2024 – Present
Front End Developer

Developed and maintained responsive, high-performance websites and web applications using **Next.js**, **Tailwind CSS**, **TypeScript**, and **Framer Motion**.
Integrated **RESTful APIs** and collaborated closely with the back-end team to ensure seamless data flow and optimized performance.
Collaborated with the design team to bring UI/UX mockups to life with pixel-perfect implementation and interactive user experiences.
Contributed to multiple projects, including:

- **AuroGurukul** – an e-learning platform built using custom code; implemented dynamic pages, animations, and API-driven content delivery.
- **Etherians** – worked on a WordPress-based website, ensuring clean UI/UX and responsiveness across devices.
- **Bulgerocks** – developed a finance-based corporate website using WordPress with customized themes and plugins.
- **Consortium for Agroecological Transformations** – collaborated with the back-end team on a custom-coded project focused on sustainable farming initiatives.
- **Yuvabe Studios** & **Yuvabe Education** – internal platforms built with code to showcase the organization's creative and academic portfolios.
- **Wix Studios Projects** – customized and managed client websites using Wix platform tools.

Ensured adherence to modern web standards, performance optimization, accessibility, and cross-browser compatibility.

Digi Pondy Technologies   July 2024 – September 2024
Web developer Intern

Interned as a WordPress Developer and Digital Marketing Executive, contributing to both website development and online advertising efforts.
Designed, customized, and optimized WordPress websites for local clients, ensuring mobile responsiveness and SEO-friendly structure.
Key projects included:

- **Personal Branding Site for Dr. Agila Asokan (Pediatrician)** – built a clean, professional online presence to support her private practice.
- **Trav2Inde** – developed a travel booking website focused on user experience and smooth navigation.
- **Hashtag Hive** – created an engaging site for a resort and rooms business with visual appeal and easy booking features.

Executed and monitored Meta (Facebook/Instagram) Ads and Google Ads campaigns for:

- **Akshya Sweets** – promoted local confectionery offerings through targeted ads.
- **Miniso** – ran campaigns to increase brand awareness and drive foot traffic.

SKILLS

Html / Css	Next Js	Framer motions	GraphQL	WordPress development	Quick Learner
Javascript	Typescript	Dom / JQuery	Jest	Git/Github	Team Work
React.js	Restful API	TailwindCss	Node JS	SEO	Adaptability

EDUCATION

B.Tech - Computer science & Engineering   **2020 - 2024**
Majors: (Iot & Cybersecurity including Blockchain tech)
Manakula vinayagar Institute of Technology

HIGHER SECONDARY SCHOOL   **2019 - 2020**
New Modern Vidhya Mandir Higher Secondary school

SECONDARY SCHOOL LEAVING CERTIFICATE   **2017 - 2018**
New Modern Vidhya Mandir Higher Secondary school

PROJECTS

<u>**Enhancing cybersecurity through AI-driven Threat detection: A transfer learning approach**</u> - **Main Projects**

- **Technologies Used:** HTML, CSS, JavaScript, Python, Django, LSTM, BIGRU
- **Description:** Developed an AI-driven threat detection system using transfer learning techniques to enhance cybersecurity. The project utilized deep learning models such as LSTM and BIGRU for effective anomaly detection in network traffic.
- Published the research findings in a Scopus-indexed journal, showcasing innovative use of AI in cybersecurity

Health Monitoring Kit (IoT-based Health Monitoring System) - Mini Project

- **Technologies Used:** HTML, CSS, JavaScript, Python, ESP8266, MAX30102 sensors, IoT, LCD Display, Wireless Sensing Node
- **Description**: Developed an IoT-based health monitoring system aimed at elderly patients to prevent unforeseen heart-related deaths. The system uses temperature and heartbeat sensors (MAX30102) connected to an ESP8266, displaying real-time health data on an LCD screen and sending updates to a web server.

PAPER PUBLICATION

Securing The DigitalRealm: Leveraging Transfer Learning In Ai-Driven Threat Detection For Enhanced Cybersecurity
https://kuey.net/index.php/kuey/article/view/3465

CERTIFICATES

Mern stack
Udemy

Networking - CCNA
Jermy's IT Lab

Cybersecurity Essential
Cisco

Ethical hacking
ICT Academy

Hardware Maintance
NIELIT

INTEREST

- Cybersecurity
- AR/VR
- AI / Machine learning
- DEVOPS
- Fitness
- Stock Market