Praveen Thangavel

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EDUCATION

Bannari Amman Institute of Technology Erode, Tamil Nadu

Bachelor of Engineering in Electronics and Communication Engineering *2019-2023*

Vivekananda Higher Secondary School Namakkal, Tamil Nadu

HSC in Biology-Mathematics *2017 – 2019*

EXPERIENCE

Web Developer Intern March 2023 – June 2023

Virtusa Consulting Services Private Limited *Chennai, Tamil Nadu*

- Developed a **task management application** using **Angular**, collaborating seamlessly with a dedicated team to deliver tailored solutions across diverse industries.
- Responsibilities encompass the creation of **responsive web pages** and the development of **complex applications**. With a skill set characterized by strong problem-solving and effective communication, I adeptly address client needs.
- My commitment extends to working on the forefront of cutting-edge web technologies, ensuring the creation of **impactful and innovative applications**.
- Utilized **HTML, CSS, Javascript, Angular, MySQL, Git, GitHub**

Web Developer June 2021

Suven Consultants & Technology Private Limited *Mumbai, Maharsatra*

- Developed a **social networking application**, showcasing a rich array of features.
- Led the front-end development initiative to craft an immersive and engaging user experience.
- Additionally, I meticulously designed and seamlessly implemented a user-friendly **calendar application**,prioritizing simplicity and effectiveness in navigation.
- Utilized **HTML, CSS, Javascript, Angular, MySQL, Git, GitHub**

PATENT

Diagnostic Support System for Basal Cell Carcinoma in Skin Tissue using RF Signal March 2021

Application No:202141009542 A

- In this patent, we propose a novel method to detect biological skin cancer using a **Planar Inverted F Antenna (PIFA),** commonly found in mobile devices. We design the PIFA antenna using CST software, fabricate it with one port, and analyze **reflection parameters** and **VSWR ratio**. The biological skin tissue is modeled in CST software, considering the **dielectric properties** of **normal and cancerous tissues**. The antenna is excited, and radiation towards normal and affected skin tissues is observed. By comparing **permittivity, conductivity, permeability**, and absorption power, we identify cancerous tissues. Results show varying energy received from normal and affected tissues, allowing conclusions about the presence of cancerous tissue.

PROJECTS

GPS Blood Bank Application *XML, JAVA, MYSQL, GMAPS API* January 2023 – March 2023

- **Developed** GPS-enabled **Blood Bank Management Application** utilizing the **K-Nearest Neighbors (KNN)** algorithm. Developed a robust solution that leverages geographical data, allowing for **precise tracking** and efficient **management** of blood resources. The KNN algorithm enhances **decision-making processes**, ensuring **optimal allocation** of blood units based on proximity and demand. The system streamlines operations and enhances overall responsiveness in critical situations, providing a sophisticated tool for blood bank management.

TECHNICAL SKILLS

Languages: Java, C++ ,HTML/CSS, Oracle SQL.

Concepts and Principles: OOPS, Microprocessors and Microcontrollers.

Developer Tools: Github, Visual Studio Code.