Padma Latha P

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Objective

To gain hands-on experience in **web and software development** by applying classroom knowledge to practical projects, while continuously **honing my programming and problem-solving skills** through collaboration and real-world learning.

Education

Bachelor of Technology (B.Tech.) – Information Technology
Kamaraj College of Engineering and Technology
Current Year: 2nd Year
CGPA: 8.14

Technical Skills

Languages: C, Java, Python, HTML, CSS, JavaScript
Tools: Git, GitHub, Visual Studio Code

Areas of Interest

- Web and Software Development
- Front-End Design and User Interface Development
- Learning New Technologies and Frameworks

Projects

Real-Time Groundwater Resource Evaluation | Smart India Hackathon

Developed an **IoT-based system** using various sensors to monitor groundwater quality and quantity in real time. The collected data was processed to generate alerts based on threshold values and visualized through an **interactive dashboard** built for effective water management insights.

Roles & Responsibilities:
- Worked as part of a team to design a system for **real-time evaluation of groundwater quality and quantity**.
- Developed the **front-end web page and dashboard** using **HTML, CSS, and JavaScript** to display live data and project results.
- Focused on creating a clean and interactive interface for effective data visualization**.**

Campus Connect | Thinkathon

Developed a **student-friendly web application** to improve campus accessibility and streamline daily academic tasks. Designed a **responsive user interface** that helps students locate exam halls, staff cabins, and access essential campus services, enhancing overall campus engagement and digital convenience.

Roles & Responsibilities:
- Created a **front-end web application** to improve campus accessibility for students.
- Designed responsive pages using **HTML, CSS, and JavaScript** for easy navigation and information access.
- Contributed to enhancing the overall user experience and simplifying campus-related tasks.
- Coordinated with team members to organize tasks, **manage timelines**, and ensure **effective communication** throughout the project lifecycle.

Certifications

- Programming in Java - NPTEL
- Infosys Springboard Certificates – Java
- Full Stack web development Course – Udemy
- From Prompts to Development: Optimizing Code with AI Tools