ARPITA DHAMANGE

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EDUCATION

Vellore Institute of Technology,Vellore **September 2022 – May 2026**
B.Tech-Electronics and Communication Engineering- **CGPA - 8.26** *Vellore, India*

G.H. Raisoni Vidyaniketan **April 2020 – May 2022**
CBSE - Class 12th - **Percentage - 90.8%** *Nagpur, India*

COURSEWORK

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Structured & Object Oriented Programming
- AIML
- Web Development
- Embedded C
- Microcontrollers
- Communication Systems

TECHNICAL AND SOFT SKILLS

Languages: Java, C, C++, JavaScript, HTML, CSS, SQL, NoSQL, Assembly Language
Developer Tools: VS Code, IntelliJ IDEA, Eclipse
Technologies/Frameworks: Node.js, React.js, Redux, Express, Next.js, Vixe, Axios, Socket.io
Other Tools: MATLAB, Keil μVision, Cadence Virtuoso, Cadence AWR Design Environment
Soft Skills: Adaptability, Flexibility, Collaboration, Continuous Learner, Integrity, Problem Solving

PROJECTS

Portfolio ○ | ↗ JavaScript,HTML,CSS **June 2025**
- A personal portfolio website showcasing projects, skills, and achievements.

Environment Monitor ○ | Embedded C **March 2025**
- Developed an IoT-based environment monitoring system using ESP32 to track temperature, humidity, gas, and flame levels with real-time web dashboard and alert mechanisms.

Smart Plant Monitor ○ | Embedded C **April 2025**
- Developed a Smart Plant Monitoring system using ESP32 to measure temperature, humidity, and soil moisture with real-time status updates via a web dashboard and LED indicators.

Netflix Clone ○ | ↗ HTML,CSS **March 2023**
- Created a Netflix-inspired UI clone to demonstrate front-end development skills using modern web technologies.

EXPERIENCE

KalkiFI Solutions Pvt. Ltd. ↗ **August 2024 – September 2024**
Student Intern - Web Developer *Vellore*
- Improved user engagement by approx. 30% through intuitive web interface design using React and Tailwind CSS.
- Pioneered a JavaScript-based, cross-browser compatibility solution, resolving rendering inconsistencies across 5 different browsers and boosting user engagement by improving accessibility for all users.
- Modernized 2+ company websites, ensuring 100% responsiveness and compatibility across devices

Skilledity Solution Pvt. Ltd. ↗ **January 2025 – May 2025**
Student Intern - Web Developer *Vellore*
- Resolved 15+ critical issues in collaboration with design and QA teams, meeting tight 2-week sprints
- Revamped system response times by 35% through code optimization and database query tuning
- Customized Moodle LMS for about 500 students, integrating 5+ new plugins and tailored course structures to institutional needs

CERTIFICATIONS

- Mastering Data Structures and Algorithms with Leetcode - FacePrep ↗

EXTRACURRICULAR

The Electronics Club, VIT ↗ **January 2025 – December 2025**
Secretary *Vellore*
- Serving as primary communication liaison for the club, disseminating information, coordinating events, managing administrative and organizational tasks for the club