S MUTHU SELVI

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Github | Linkedin

CARRER OBJECTIVE

To obtain a challenging role in the field of Information Technology where I can apply and expand my skills in frontend development and full stack technologies. Eager to contribute to innovative digital solutions, collaborate with dynamic teams, and enhance my technical and professional growth through continuous learning.

EDUCATION

Arunachala College Of Engineering For Women   2022-2026
  Bachelor of Technology in Information Technology

S.N.M.Hindu Vidhyalaya
  HSC   2021-2022
  Percentage:82%

INTERNSHIPS

Techvolt Software | Frontend Intern   Feb 2024 – Mar 2024
  - Built responsive UI with HTML/CSS/JS.
  - Integrated APIs with backend developers.

ALO Info Tech | Full Stack Developer Intern   Aug 2024 – Feb 2025
  - Developed full-stack modules with Node.js.
  - Implemented user login and validation.

Srishti | MERN Stack Intern   June 2025
  - Learned MERN stack development during internship.
  - Gained hands-on experience with MERN stack.

PROJECTS

AI-Based Obstacle & Animal Detection System with Train Auto-Stopping.

Personal Portfolio - Using Html,Css, Bootstrap.

Pagination: Implemented API-based pagination in React.

EcoFridge++: Resilient Cold Storage with Blockchain & GSM for remote MSMEs

TRAINEESHIP

Maiyyam | UI/UX Trainee   April 2025
  - Designed wireframes using Figma tools
  - Learned UI/UX principles and design thinking

Maiyyam | Entrepreneurship Trainee   June2025
  - Gained exposure to startup planning and pitching.
  - Learned product development and market research skills.

PATENTS

  - **AI-Based Obstacle & Animal Detection System with Train Auto-Stopping.**
    Application No: 241067813023
  - **EcoFridge++: Resilient Cold Storage with Blockchain & GSM for remote MSMEs**

SKILLS

- **Frontend**: HTML, CSS, JavaScript, React, Bootstrap
- **Backend**: Node.js, MongoDB
- **UI/UX**: Figma, Wireframing, Prototyping
- **Tools**: Git, GitHub, VS Code, MS Office
- **Others** : REST APIs, Agile Methodologies, Responsive Design

CERTIFICATIONS

- **Full Stack Development** – ALO Info Tech | 2025
- **Thozihili 2.0-Innovation Bootcamp** – Startup TN | 2024
- **Digital Product Development** – Startup TN | 2023
- **DCA Tally** – CSC Academy | 2022

PUBLICATIONS

- **IOT Based Automatic Stopping of Opposing Trains,Obstacles Using Lidar and Accelerometer,** National Conference Proceedings in Multidisciplinary Research and Emerging Technologies for Sustainable Development.April2024.
- **EcoFridge:Renewable Energy-Based Smart Cold Storage For Coastal and Hilly MSMEs,**in the International Conference on Emerging Trends in Multidisciplinary Research and Technology (ICETMRT-2025) on 16th August 2025.
- **Integration of Smart Grid and Community-Based Cold Storage Networks** has been published in the International Journal of Innovative Research in Technology (IJIRT), Volume 12 Issue 4, September 2025.

HONORS & AWARDS

- Awarded 3rd Prize – Idea Presentation, Wild Frontiers'25 (Govt. of TamilNadu).
- Honored with the ISTE-ACEW Academic Excellence Award.
- NEXT GEN Award – For innovative solutions.
- ENDEAVOUR Award – For dedication and teamwork.
- IDEATHON Award – For creative problem-solving.
- Received IEI-ACEW Entrepreneur Innovation Award Recognized as Icon of Kanyakumari.
- Won several 1st and 2nd prizes in paper presentation at National-level Technical Symposiums.