LAVANYA

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CAREER OBJECTIVE

To secure a position where I can apply my problem-solving and development skills to contribute to innovative projects of your organisation

EDUCATION

Bachelor of Engineering, Computer Science and Engineering   2022 - Present
Kangeyam Institute of Technology, Tiruppur. CGPA : 8.24

Tamil Nadu State Board, Class XII   2022
Jaivabai Municipal Girls Higher Secondary School,Tirupur, 91%

Tamil Nadu State Board, Class X   2020
Nirmala Matriculation School,Tiruppur,79%

TECHNICAL SKILLS

Programming languages : C ,Python
Web Development : HTML,CSS,JavaScript,React.js
Database : MongoDB
Tools : Github

PROJECTS

Expense Tracker
• Built a full-stack Expense Tracker application using React.js, Express.js, and MongoDB with real-time CRUD operations to manage personal expenses effectively.
•Implemented data visualization and intuitive UI for tracking, adding, and deleting expenses, improving user experience and financial insights. .

Daily Habits Tracker
•Developed a Daily Habit Tracker web application using React.js, Express.js, and MongoDB to monitor daily habits, log completions/skips, and maintain detailed progress history.
•Implemented streak management and progress visualization features to boost user motivation and promote habit-building consistency.

Smart Irrigation system
• Developed a Smart Irrigation System using Arduino and environmental sensors (soil moisture, temperature, humidity) integrated with the Blynk IoT platform to enable real-time remote monitoring and control.
•Implemented automated water regulation, reducing manual intervention and optimizing water usage through data-driven decision making.

INTERNSHIP

Web Development virtual internship -SkillCraft Technology   Dec 2024-Jan 2025.

- Gained experience in building responsive layouts and interactive navigation using HTML, CSS, and JavaScript.
- Learned how to handle timing functions and user events by creating a functional Stopwatch application.
- Strengthened problem-solving and game logic implementation by developing a Tic-Tac-Toe game.
- Improved skills in DOM manipulation and state handling through building an interactive To-Do List app.

TRAININGS / CERTIFICATIONS

C Programming
Completed 30 days offline course from TCDS
MERN Stack Web Development
Completed Two day workshop, Nschool Academy, Tiruppur..
Introduction to Internet Of Things
Completed course in IOT through NPTEL and Secured 82%
MERN Stack Development
Completed 30 days offline course from Better Tomorrow.
Gen AI
Completed Gen AI course from GUVI
Automation Developer Associate Training
Completed Robotic Process Automation from UiPath Academy
MongoDB
Completed MongoDB course from MongoDb University

CO-CURRICULAR ACTIVITIES

- Won 1st place for a paper on Shadow AI at Builders Circle Club, showcasing real-world AI applications.
- Secured 3rd place in a paper presentation at Nandha College of Technology, highlighting research and presentation skills.
- Participated in a national-level paper presentation at Coimbatore Institute of Technology on emerging tech topics.
- Competed in a Code-a-thon at Sri Ramakrishna Engineering College, solving problems using real-time coding and algorithms..

ACHIEVEMENTS

Publication
Published a paper on an IoT-based Smart AI Plant Irrigation System, focusing on automated watering using sensor data and machine learning for efficient water management.
Inter-College event
Volunteered during the college cultural fest"ELANTRA" for fun events