MANIKANDAN
SHANMUGAM

Contact

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Skills

HTML CSS JAVASCRIPT
●●●●●●●○

JAVA PROGRAMMING
●●●●●○○○

C PROGRAMMING
●●●●○○○○

SQL PROGRAMMING
●●●●○○○○

GIT & GITHUB
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Objective

"Organized and detail-oriented professional seeking to apply skills to support Organization efficiency, contribute to organizational goals, and drive impactful results."

Education

BE-ELECTRONICS AND COMMUNICATION
2022-2026
CGPA - 8.32 (5th Semester)
Dr. N. G. P. Institute of Technology

CLASS XII
2021-2022
Percentage - 86.10%
P. S. G. Sarvajana Higher Secondary School

CLASS X
2019-2020
Percentage - 98.02%
K. G. M. S. MATRICULATION SCHOOL

Projects

BOOKSKY - A WEBSITE BOOK PREVIEW
HTML - CSS - JAVASCRIPT

- Built a responsive book catalog web app using HTML, CSS, and JavaScript.
- Implemented dynamic search and interactive UI for seamless user experience.

HTML - CSS - JAVASCRIPT
A STUDENT FORM

- Designed and developed a student registration form with HTML, CSS, and JavaScript.
- Added input validation and user-friendly UI for accurate and smooth data entry.

WALMART SALES ANALYSIS
MYSQL

- Analyzed Walmart sales data using MySQL to extract insights on revenue, performance trends, and regional patterns.

Projects

STUDENT DATA DASHBOARD
POWER BI
- Built an interactive Power BI dashboard to visualize student performance, attendance, and demographics.
- Integrated and transformed raw data for actionable insights and data-driven decision-making.

SALES DASHBOARD
EXCEL SHEET
- Created a dynamic sales dashboard in Excel using pivot tables, charts, and formulas to track key metrics.
- Automated data updates and enhanced reporting with slicers and conditional formatting for better insights.

SMART DUSTBIN LEVEL MONITORING SYSTEM USING NODEMCU
- Developed an IoT-based smart dustbin using NodeMCU and ultrasonic sensors to monitor waste levels in real time.
- Enabled wireless data transmission and alert system for efficient waste management and timely disposal

Tools

- MATLAB
- EXCEL SHEET & WORD
- CANVA
- POWER BI

AI Tools

- PERPLEXITY
- OPEN AI
- NAPKIN AI
- NOTION AI

INTERNSHIP

EMBEDDED SYSTEM DESIGNS

Vijay Technocraft

16.07.2024 - 01.08.2024

- Designed and implemented microcontroller-based systems including automatic street light control, temperature sensing units, and a number lock for home security.
- Utilized sensors, actuators, and embedded C programming to develop efficient, real-time hardware-software integrated solutions.

Areas of Interest

- WEB DEVELOPMENT
- INTERNET OF THINGS
- UI/UX

Activities

- Solved 200 + Leetcode Problems
- NPTEL CERTFICATE ON SOCIAL INNOVATION IN INDUSTRY 4.0 ELITE+SILVER
- Participated in IEEE Hackathon
- Attended WORKSHOP ON IOT USING ADAFRUIT CONDUCTED BY VIT
- Class Representative (2024–2025) - Served as a communication bridge between students and faculty, supporting academic coordination and class-related activities.