

PANDIKANNAN M

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SUMMARY

A passionate developer with a strong foundation in Information Technology, I'm focused on building clean, responsive, and user-friendly web applications. I enjoy turning complex problems into simple, functional solutions through code, and I'm excited to grow as a Web or Full Stack Developer. I believe in continuous learning, strong collaboration, and contributing to meaningful, real-world projects."

EDUCATION

Bachelor of Technology in Information Technology

Kalasalingam Academy Of Research and Education - Krishnankoil.
CGPA-8.3

Sep 2021-May 2025

HSC & SSLC

HNUPR Matriculation Higher Secondary School - Nilakottai.
HSC-87.5% || SSLC-84.2%

April 2019-May 2021

TECHNICAL SKILLS

PROGRAMMING LANGUAGE: Java

WEB TECHNOLOGIES: HTML, CSS, JavaScript

TOOLS & PLATFORMS: Arduino, YOLOv8, MYSQL, GIT, Visual StudioCode, MS EXCEL

FRAMEWORKS: TAILWIND CSS,

PROJECTS

- E-Commerce Website:** Developed a full-stack e-commerce website using HTML, CSS, JavaScript, Node.js, and MySQL. The site includes features like product listing, add-to-cart, clear-cart. Integrated MySQL for managing product, cart, and order data, and used localStorage to sync cart state with the backend for a seamless shopping experience.
- Portfolio Website:** Created a personal portfolio website to showcase projects, skills, certifications, and contact details using HTML, CSS (Tailwind), JavaScript, and AOS for animation. The site features a clean, responsive design with smooth scrolling, dark mode, and GitHub/LinkedIn integration, aimed at highlighting my web development skills to recruiters and professionals.
- Real-Time Traffic Density Monitoring using YOLOv8 & Arduino:** Developed a dynamic traffic signal system that detects vehicle density using YOLOv8 and adjusts signal timings accordingly via Arduino-controlled LEDs, enhancing road traffic efficiency.

CERTIFICATES AND ACHIEVEMENTS

- Oracle Certified:** AI Foundation Associate-
- CodeChef Certification:** Design and Analysis of Algorithms (DAA) -
- Certificate of Completion–ArduYOLO :** -(Based on IEEE Research Paper) Issued by: IEEE Xplore (May 2025) -
- HackerRank Certifications:** SQL (Basic), SQL (Intermediate), SQL (Advanced) -
- Hackathon Participant:** Inter-college-level hackathon at Kalasalingam University, demonstrated teamwork and innovative problem-solving-
- Workshop on Blockchain and Cryptocurrency:** Participated in a technical workshop hosted at Karpagam College of Engineering, gaining insights into decentralized technologies-
- Certificate Completion:** Diploma in Yoga

PUBLICATIONS

Published paper titled "Real-Time Traffic Density Monitoring using YOLOv8 & Arduino" in IEEE International Conference on Communication and Electronics Systems (ICCES 2025), organized by PPG Institute of Technology, Coimbatore. Published on IEEE Xplore Digital Library.