

PANDIKANNAN M

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PROFESSIONAL SUMMARY

Motivated and detail-oriented B.Tech Information Technology student with strong foundational knowledge in development, Java programming, and database systems. Experienced in hands-on projects involving real-time monitoring, automation, and ERP systems. Committed to applying innovative technical skills to solve real-world problems and continuously learning emerging technologies.

TECHNICAL SKILLS

Programming Languages: Java

Web Technologies: HTML, CSS, JavaScript

Tools & Platforms: Arduino, YOLOv8, MySQL

Database Management: SQL

Soft Skills: Teamwork, Communication, Problem-Solving, Time Management

EDUCATION

Kalasalingam Academy of Research and Education (2021 - 2025)

B.Tech Information Technology

CGPA: 8.26

HNUPR Matriculation Higher Secondary School (2018 – 2021)

HSC: 87.5% | SSLC: 84.2%

PROJECTS

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.

IOT-Based Forest Fire Alarm System:

Engineered a safety alarm using temperature and smoke sensors for early forest fire detection.

Motorcycle Rental Web Application:

Created a web-based platform using HTML and MySQL for streamlined motorcycle rentals and user tracking.

Trading ERP System:

Built an Android-based app for ordering and managing second-hand product sales and transactions.

CERTIFICATIONS

- Oracle Certified AI Foundation Associate
- CodeChef Certification: Design and Analysis of Algorithms (DAA)
- Diploma Certificate in Yoga
- Certificate of Completion – “ArduYOLO” (Based on IEEE Research Paper) Issued by: IEEE Xplore (May 2025)

IN-PLANT TRAINING

UI/UX Design Training at LITZ TECH:

Gained experience in UI principles, design tools, and user-centric layouts.