

ARAVINTHSAMY T

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CAREER OBJECTIVE

Dedicated ECE graduate with strong analytical and programming skills, seeking an entry-level software developer role to build efficient applications, solve real-world problems, and grow in a dynamic technology environment.

EDUCATION

BE-ECE

Kongu Engineering College , Erode

CGPA: 7.85 **2023 – 2027**

HSC

GHSS ,Valayapatti,Namakkal-637001

Percentage : 84.1% **2022– 2023**

AREA OF INTERESTS

- Full-Stack Development
- Machine Learning
- Data Analysis
- Embeded Systems & IoT

TECHNICAL SKILLS

Languages: Java, C, Python

Web & Mobile : React.js, Node.js,
HTML, CSS, TailwindCSS

Database : MongoDB, Firebase

Tools : Postman, VS Code, Git &
Github

CERTIFICATION

- Java Certified Foundations Associate

ACHIEVEMENTS

1st Price - KEC Electroathon **2026**

PROJECTS

Smart EV Charging Analyzer

- Built a real-time EV charging station monitoring and analytics system.
- Implemented energy consumption tracking, cost calculation, and error detection.
- Integrated Firebase for cloud-based data management and dashboard visualization.

Fabric Defect Detection

- Built a deep learning-based defect detection system using YOLO and OpenCV.
- Trained and validated the model on custom dataset with image preprocessing and augmentation.
- Implemented real-time detection using webcam input.

Driver Fatigue Detection

- Built a real-time drowsiness detection system using OpenCV and facial landmark analysis.
- Implemented Eye Aspect Ratio (EAR) algorithm to detect prolonged eye closure.
- Integrated alert mechanism for driver safety.