ARULSELVAN M

Student, B.E. Electrical and Electronics Engineering

Final-year EEE student with a strong interest in software development and a solid foundation in logical thinking. Looking to start a career where I can contribute to impactful tech solutions while continuously learning and growing in the field of programming.

✉ 2004arulselvan@gmail.com 📱 9443402089 in linkedin.com/in/arul2 ○ github.com/arulselvan02

EDUCATION

B.E. Electrical & Electronics Engineering
Dr. Mahalingam College Of Engineering & Technology, Pollachi

11/2022 - Present   *8.4*

Higher Secondary School
Kongu Vellalar Matric Higher Secondary School

2021 - 2022   *86*

Secondary School
Kongu Vellalar Matric Higher Secondary School

2019 - 2020   *88.2*

PROJECTS

IoT-Based Solar Monitoring System in Real Time with Web Dash Board
- Built a real-time IoT-based solar monitoring system using **Arduino**, sensors, and Wi-Fi.
- Displayed data on both an LCD screen and a web dashboard.
- Created a web page with **HTML**, **CSS**, and JavaScript for remote monitoring and fault detection.

Gesture Driven IoT Smart Home System
- Used Python with **MediaPipe** and **OpenCV** to detect hand gestures in real-time.
- Sent recognized gestures to a **NodeMCU** (ESP8266) to control smart home devices wirelessly.
- Programmed NodeMCU to receive commands and switch appliances based on gesture inputs.

INTERNSHIP

CODSOFT JAVA PROGRAMMING
Virtual Interns | Remote

01/2024 - 02/2024

Achievements/Tasks
- Completed a virtual internship in Java programming, strengthening core concepts and practical problem-solving skills
- Gained practical experience in Object-Oriented Programming (OOPs) principles and their implementation.

SKILLS

Java	Multitasking
C program	Team Collaboration
Object Oriented Programming	Time Management
Data Structure & Algorithms	Adaptability

ACHIEVEMENTS

TCS NQT – 72% Score
Scored 72% in the TCS National Qualifier Test (NQT), showcasing strong aptitude, reasoning, and programming skills.

Cyborg Challenge – Encryptix, Dr. MCET
Achieved Second place in the Cyborg event conducted by the Encryptix Association of Dr. MCET, demonstrating strong problem-solving abilities in various challenges.

Trace the Bug – Debugging Event, Dr. MCET
Awarded Third place in the "Trace the Bug" event conducted by the Department Association of Dr. MCET, demonstrating proficiency in debugging and code-writing.

CERTIFICATES

Programming in Java -NPTEL

Database Management System -NPTEL

Data Structure and Algorithm using Java -NPTEL

LANGUAGES

English	Tamil
Professional Working Proficiency	*Native or Bilingual Proficiency*

TOOLS

Arduino IDE   MySQL Workbench

IntelIJ IDEA   Github   Visual Studio Code