

ANBUSELVAM M

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EDUCATION

Kalasalingam Academy of Research and Education

Bachelor of Technology in Electrical Engineering and Communication | CGPA : 9.02

Virudhunagar, India

2022 -2026

Koodakovil Nadars High Secondary School

Higher Secondary Certification | Marks (%):89.99

Madurai, India

2021-2022

Koodakovil Nadars High Secondary School

Secondary School Certification | Marks (%):90.00

Madurai, India

2019-2020

SKILLS SUMMARY

- **Fronted Development:** HTML , CSS
- **Languages:** JavaScript , Java (Intermediate) , Matlab (Intermediate)
- **Tools:** Power BI, Excel, PowerPoint, MySQL
- **Platforms:** Visual Studio Code , Matlab Simulink
- **Soft Skills:** Rapid Learner, Communicative, Quality-Focused, Self-motivation and time management

INTERNSHIP EXPERIENCE

HARDWARE TRAINEE | INTERN | [🔗](#)

28 April – 24 May 2025

Silicon Harvest, Madurai

- Gained hands-on experience with embedded hardware systems used in real-time bus advertisement and voice announcement modules.
- Understood **circuit-level design, testing, and troubleshooting** of hardware units in the production environment.
- Strengthened practical knowledge in **embedded systems and electronics**, directly applying academic concepts to industry practices

PROJECTS

Shelf life and disease predictions of Allium cepa – Matlab + ML + GUI | [🔗](#)

Developed a machine learning-based system using MATLAB to predict onion spoilage and shelf life from thermal images and weight data. Implemented CNN for spoilage classification and regression models for estimating remaining usability. Designed a custom GUI to display damage %, onion type, and expiry status in real-time from a single image input.

An Instant Blood Donation - Web Based System| [🔗](#)

Blood Donor follows a client-server architecture. In the team, my role was to build the frontend using **HTML, CSS, and JavaScript**, creating a responsive and user-friendly interface. The backend, developed using **Google Apps Script**, handles form submissions and stores data in **Google Sheets**, functioning as the database for donor and request details. The system ensures real-time data updates and efficient matching of donors and recipients.

Agri-Based Security System – IOT Based System | [🔗](#)

Developed a laser-based security system using Arduino and LDR sensors to detect wildlife intrusions in agricultural fields. Integrated real-time alerts via buzzer and LCD to protect crops, reduce human-wildlife conflict, and support sustainable farming..

CERTIFICATES

Python Data Structures & Algorithms + LEETCODE Exercises | [Udemy](#)

Nov 2023

Object-Oriented Programming Onramp | [Matlab](#)

Jan 2025

Simulink Onramp| [Matlab](#)

Mar 2025

Data Analytics | [NoviTech](#)

Jul 2024

ACHIEVEMENTS

MATLAB Coding Challenge | [🔗](#)

1 Apr 2025

Participated in the MATLAB Coding Challenge conducted by the MathWorks Student Chapter. Showcased strong problem-solving skills and creative coding abilities. Ranked 4th among the top 15 shortlisted participants based on overall score. Earned recognition for performance and technical proficiency in MATLAB

DECLARATION

Here by , I declare that the information above mentioned is true to the best of my knowledge