SELVA S

selvapec2005@gmail.com |+91 8072791867| www.linkedin.com/in/selva-s7

EDUCATION

PANIMALAR ENGINEERING COLLEGE
B.E in Electronics and Communication Engineering 2022 – 2026
CGPA: 7.69

DHANAM PACHAIYAPPAN MHSS
12th - 2022
PERCENTAGE: 75%

ST. MARY'S MATRICULATION SCHOOL
10th - 2020
PERCENTAGE: 71.2%

TECHNICAL SKILLS

LANGUAGES

Java

DATABASE

SQL

FRONTEND

HTML, CSS, JavaScript

SOFT SKILLS

- Teamwork
- Communication
- Time Management
- Adaptability

CERTIFICATIONS

JAVA DEVELOPER
Provider: Infosys Springboard

FRONTEND DEVELOPER
Provider: Infosys Springboard

ORACLE CERTIFIED ASSOCIATE
Provider: Oracle

LANGUAGES

Tamil, English

WORKSHOP

CHASE RESEARCH AND DEVELOPMENT SOLUTIONS
Workshop – Aug 2024

- Hands-on training in MATLAB for image processing, covering filtering, edge detection, and practical use cases in computer vision.
- Explored MATLAB-based visualization and analysis tools, enhancing understanding of image transformations, pixel operations, and feature extraction.

INTERNSHIP

EMBEDDED SYSTEMS WITH IOT
NSIC-Technical Service Centre – July 2024

- Gained hands-on experience in IoT-based embedded system development.
- Worked on microcontroller programming and sensor integration. components

PROJECTS

SMART IRRIGATION IN AGRICULTURE USING SOIL MOISTURE DETECTION AND GSM
Jan 2024 - Mar 2024

- Designed and implemented an IoT-based smart irrigation system using ATtiny85, soil moisture sensors, and RF communication to monitor soil conditions in real time.
- Integrated GSM module with Arduino for remote pump control, enabling farmers to receive SMS alerts, send commands, and automate irrigation with timer support.

REAL-TIME HAND GESTURE RECOGNITION AND ARDUINO-BASED CONTROL SYSTEM
Sep 2025 – Oct 2025

- Implemented a real-time hand gesture recognition system using a lightweight CNN and OpenCV, achieving over 90% classification accuracy.
- Integrated Arduino with PyFirmata to enable real-time hardware control by mapping classified hand gestures—captured via webcam and processed through OpenCV—to digital output signals, ensuring low-latency response for gesture-driven applications.

ATM MANAGEMENT SYSTEM IN JAVA
June 2025 - July 2025

- Developed a functional ATM simulation using core Java (OOPs, collections, exception handling) with features like account creation, login authentication, deposits, withdrawals, balance inquiry, and fund transfers.
- Implemented modular design with multiple classes (ATM, Account, Option Menu) ensuring scalability, error handling, and a user-friendly command-line interface.