# PAVATHARANI G

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## CONTACT

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## EDUCATION

**Bachelor of Technology in Information Technology, with 86%**

Anjalai Ammal Mahalingam Engg College
2021-2025

**HSC WITH 90%**
Kasturba Gandhi Matriculation Higher Secondary School, Thiruvarur
2020–2021

**SSLC WITH 90%**
Kasturba Gandhi Matriculation Higher Secondary School, Thiruvarur
2018–2019

## TRAINING

JAVA FULLSTACK DEVELOPMENT AT QSPIDERS, VADAPALANI.

## TECHNICAL SKILLS

- Java, Fundamentals in Python
- HTML, CSS, JavaScript, Reactjs
- SQL

## SOFT SKILLS

- Effective Communication
- Logical thinking

## PROFILE SUMMARY

Motivated and detail-oriented IT graduate seeking an entry-level position to apply technical skills in programming, problem-solving, and system development while contributing to organizational growth and continuously improving professional skills.

## INTERNSHIP

**Central University of Tamil Nadu**
**Digital Image Processing | July 2024 – September 2024**

- Developed image processing algorithms using Python, NumPy, and OpenCV to enhance image quality and feature extraction.
- Worked on filtering and edge detection techniques using SciPy and MATLAB for analysis and visualization.

## PROJECTS

**AI-Powered Smart Border Security System**

- Developed a real-time surveillance system using YOLO for activity detection and face recognition, improving monitoring accuracy.
- Implemented Python and OpenCV to efficiently process live video streams with optimized detection logic.
- Reduced false positives and designed the system for scalable deployment in real-time security environments.

**Foreign Trading System**

- Designed and developed an object-oriented Foreign Trading System using Java and MySQL with optimized data structures for real-time transactions.
- Improved processing performance through backend optimization while ensuring scalability, modularity, and data consistency.

## CERTIFICATES

- Completed Network Essentials certification from Cisco, covering networking fundamentals and protocols.
- Completed Python Basics certification from CodeSoft, focusing on core programming concepts and logic.
- Completed Cybersecurity Fundamentals certification from IBM, covering security principles and best practices.
- Completed Microsoft Office certification from Microsoft, demonstrating proficiency in productivity tools.
- Completed Big Data Fundamentals certification from Infosys, covering data processing and analytics concepts.

## WORKSHOP

**Cryptography | National Institute of Technology (NIT).**

- Participated in a hands-on workshop on Cryptography conducted at the National Institute of Technology (NIT).
- Gained practical understanding of encryption techniques, secure communication, and data protection concepts.