CONTACT

Email
visisiva.09@gmail.com

Phone
+91 9345247382

LinkedIn
linkedin.com/in/vishwanath-karunanithi-087b62308

GitHub
github.com/vishwanathkarunanithi

Portfolio
vishwanathkarunanithi.github.io

TECHNICAL SKILLS

Embedded Systems

Internet of Things

Arduino and ESP32

Sensors and Microcontrollers

Artificial Intelligence and Computer Vision (Basic)

Python (Basic)

TOOLS AND PLATFORMS

Arduino IDE

MIT App Inventor

LABVIEW

Sinric Pro

GitHub

LANGUAGES

English

Tamil

VISHWANATH KARUNANITHI

Electronics and Communication Engineer

PROFILE SUMMARY

Electronics and Communication Engineering student with strong hands-on experience in embedded systems, Internet of Things, software-based systems, and basic artificial intelligence applications. Actively involved in developing real-world solutions focused on automation, monitoring, and intelligent systems.

EDUCATION

Bachelor of Engineering in Electronics and Communication Engineering
Velammal Institute of Technology, Chennai
2023 – 2027 (Pursuing) | CGPA: 8.47

Higher Secondary Education (Class XII), CBSE
Cauvery International School, Tiruchirapalli | 80.60%

Secondary School Education (Class X), CBSE
Cauvery International School, Tiruchirapalli | 81.80%

MAJOR PROJECTS

Piracy Prevention and Detection
Designed a dual-layer piracy prevention system using IR integration and software-based detection to prevent unauthorized recording of digital content.

Structural Health Monitoring (Software)
Developed a software-based monitoring system to analyze structural parameters and assist in early fault identification.

Smart Non-Invasive Health Monitoring
Implemented a non-invasive system to track vital health parameters using real-time data processing.

Electricity Tampering Detection and Smart Energy Meter
Built an embedded IoT-based system to detect electricity tampering and power theft in real time.

Exam Hall Allocation System (Embedded)
Designed a microcontroller-based automated exam hall seat allocation system.

Face Detection Using Artificial Intelligence
Developed an artificial intelligence-based computer vision system for real-time face detection.

MINI PROJECTS AND TECHNICAL ACTIVITIES

Otto Blockly robot with mobile application-based customization, home automation using Alexa and Sinric Pro, Bluetooth-controlled LED using MIT App Inventor, completion of LABVIEW exercises, and conducted a three-day technical workshop for sixty school students.