

# Sanjay Karthick S

Enthusiastic and detail-oriented Computer Science graduate with expertise in full-stack development. Passionate about solving complex problems and creating efficient solutions. Strong collaborative and communication skills with a proactive approach to learning.

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📖 [stackoverflow.com/users/16222769/20cse045-sanjay-karthick](https://stackoverflow.com/users/16222769/20cse045-sanjay-karthick)

## EDUCATION

### Bachelor of Engineering

Velammal College of Engineering and Technology

11/2020 - 06/2024

7.5 CGPA

#### Courses

- Computer Science and Engineering

### HSC-II

The TVS School

06/2019 - 03/2020

Cutoff-175.5

### SSLC

The TVS School

04/2017 - 04/2018

91.6%

## PERSONAL PROJECTS

### Personal Portfolio (2025)

- My personal portfolio website showcasing my skills, projects, and contact details
- Github Link: <https://sanjay-karthick-s.github.io/Personal-Portfolio/> [🔗](#)

### Garden Irrigation System using IoT (08/2023 - 06/2024)

- This application includes smart watering through automated irrigation based on real time data.
- The sensors collect data such as soil moisture data, customizable schedules and weather integration for optimal watering.
- It involves remote monitoring via mobile or web interfaces, real time alerts for system malfunctions.

### Face Recognition with ESP32 Camera using Python (10/2021 - 12/2021)

- This app recognizes the faces of the people that are already stored in the computer.
- If the camera spots an unknown face, it identifies the object in front as an intruder and sounds an alarm.
- This is effective where security is mandatory.

### Prediction and Clustering of Crime Hotspots (02/2023 - 05/2023)

- It predicts the crime rates in different places and categorizes them into high crime rate and low crime rate areas.
- The project code is implemented in Python and Flask.
- LSTM Model is used for prediction and K-Means is used for clustering.

## SKILLS

Python

JavaScript

HTML

CSS

SQL

PHP

Laravel

MongoDB

Express

Node

React

## CERTIFICATES

Full stack development course using MERN stack from Hitasoft Technologies Pvt Ltd, Madurai (08/2024 - 12/2024)

The Python Mega Course: Build 10 Real World Applications (04/2020 - 09/2020)

NPTEL Getting Started with Competitive Programming (07/2022 - 10/2022)

NPTEL Database Management Systems (08/2022 - 10/2022)

Google IT Automation with Python (09/2023 - 10/2023)

GITHUB Workshop in AAA College of Engineering&Technology (09/2022 - 09/2022)

First Prize in Interdepartmental Quiz Competition in LEPIDOZ'21 (10/2021 - 10/2021)

Third Prize in Java Programming League conducted by CSE Department in VCET (10/2021) (10/2021 - 10/2021)

## LANGUAGES

Tamil

Native or Bilingual Proficiency

English

Full Professional Proficiency

Hindi

Limited Working Proficiency

Telugu

Limited Working Proficiency

## INTERESTS

Fiction Reading

Singing

Chess

Learning new languages