



**G KARTHICK RAJ**  
B.E. - Electronics & Communication Engineering  
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## BRIEF SUMMARY

I am a highly motivated and detail-oriented ECE engineer and Python developer with a passion for innovation and developing technology. I am a driven learner, continuously seeking to stay updated with the latest advancements in the field. Open to exciting opportunities that utilize my skills and drive positive change in the industry.

## KEY EXPERTISE

Python (Flask, Tkinter, Pandas, Numpy, Selenium)   MySQL   C++   HTML   CSS   Microsoft Office   Time Management  
Problem Solving   Analytical Skills   Adaptability

## EDUCATION

### Sri Sivasubramaniya Nadar College of Engineering

2020 - 2024

B.E. - Electronics & Communication Engineering | CGPA: 8.96 / 10.00

### D.A.V Senior Secondary School, Chennai

2020

12<sup>th</sup> | CBSE | Percentage: 94.20 / 100.00

### D.A.V. Senior Secondary School, Chennai

2018

10<sup>th</sup> | CBSE | Percentage: 94.80 / 100.00

## PROJECTS

### Email/SMS Spam Classifier

06 Mar, 2023 - 06 May, 2023

Team Size: 2

Key Skills: Python   Machine Learning

Project Link: [https://github.com/KarthickRaj536/Email-SMS\\_Spam-\\_Classifier](https://github.com/KarthickRaj536/Email-SMS_Spam-_Classifier)

This project focuses on developing an Email/SMS spam classifier using the Naive Bayes theorem. The goal of this project is to classify a given message as either spam or ham using the Naive Bayes classifier. The performance of the classifier is evaluated using metrics such as accuracy, precision, recall, and F1-score. Libraries used are Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Streamlit, Collections, Wordcloud, Pickle. Skills required were data analysis and visualization, python, machine learning, feature engineering.

### IoT based Weather Reporting System

07 Mar, 2023 - 03 May, 2023

Team Size: 3

Key Skills: Internet of Things   Raspberry Pi   Sensors   Python

Project Link: <https://github.com/KarthickRaj536/-IoT-based-Weather-Reporting-System>

The main aim of the project is to develop a IoT based weather reporting system.

The main objectives of the weather reporting system are as follows:

1. To design a system that collects data about weather in real time and is highly reliable and accurate.
2. To develop an alerting system using some threshold values for different weather parameters.
3. To develop a report that is useful in sports for athletes, coaches, and spectators. With this project, real-time weather data can be gathered and analyzed to provide valuable insights for various outdoor sports activities.

### Portfolio Website

02 Apr, 2023 - 04 Apr, 2023

Key Skills: HTML   CSS

Project Link: <https://karthick-raj-536.netlify.app/>

This project involves the creation of a personalized website that serves as a digital resume and portfolio, built using HTML, CSS and a little bit of Javascript to toggle between different sections. This project enhances web development skills and is also a tool for self promotion.

## ACHIEVEMENTS

- Scribble It (IEEE Event) (Semi-Technical Event) Won 2nd Place
- Top 10 rank holder in 1st year (9th rank)

## ASSESSMENTS / CERTIFICATIONS

### 100 Days of Code: The Complete Python Pro Bootcamp for 2023

**Key Skills:** Python

This course helped me in learning python as a whole. Learnt different frameworks and modules like Selenium, BeautifulSoup, Request, Flask, Pandas etc. The course also helped in applications of machine learning and data science. Built a lot of projects.

## WEB LINKS

- Github - <https://github.com/KarthickRaj536>

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** Plot no.7, 9th Avenue, 'A' Sector, Siva Shakti Nagar, Annanur, Chennai-600109, Chennai, Tamil Nadu, India - 600109

**Emails:** karthickraj2010510@ssn.edu.in , gkarthickraj@yahoo.com

**Date of Birth:** 29 Sep, 2002

**Known Languages:** English, Tamil, Hindi

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