

**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI**



KARTHIK S

Male, Indian, 20 years

No 2 90b 10th street Vinobhaji Nagar,

Hastinapuram chromepet Chennai-64

email: soma.nitt@gmail.com

PERSONAL DETAILS

- Father's Name : Soma Ramesh
- Date of Birth : 17th January 1999
- Languages Known : English, Tamil, Telugu, Hindi and Kannada

EDUCATION

B.Tech INSTRUMENTATION AND CONTROL ENGINEERING CGPA : 9.25

Semester	I Dec 05	II May 06	III Nov 06
GPA	9.33	9.13	9.29

Class XII (CBSE)	2017	Srimathi Sundaravalli Memorial School, Chennai	95%
Class X (CBSE)	2015	Srimathi Sundaravalli Memorial School, Chennai	95%

ACADEMIC ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

- Secured **4th** out of 100 teams in the **National level Robotics Competition** conducted by IIT-Bombay (**E-yantra**)
- Secured **2nd** in **Sangam'19** in the field of Energy and Environment – **Pragyan'19**
-International Techno-Managerial Festival of NITT – (Cashprize-Rs-25k)
- Participated in **ARDUINO PROGRAMMING CHALLENGE (APC)-Shaastra'19**
Technical Fest of IITM
- Secured **School First in NATIONAL SCIENCE OLYMPIAD** and **INTERNATIONAL MATHEMATICS OLYMPIAD** conducted by **SOF**
- Participated in RMO semifinals level conducted in Chennai by AMTI

PROJECT WORK/ TRAINING

- **TUESTO - (INTELLIGENT TRANSPORT SYSTEM)(SPIDER)**

Sept. 2018 - Feb.2019

(a) An intelligent traffic system

(b) It is aimed at calculating traffic in a junction and reducing the traffic by designing a switching algorithm which takes into account vehicular density and time taken for the vehicles to pass

(c) V2I communication using wifi is the crux of the project.

- **PROJECT BEE-BOTS (Ongoing)(SPIDER)**

July. 2018 - Present

This project is aimed at swarm robotics where the bots coordinate among themselves to assemble structures from the blockspace to workspace.

- 15 day intern at **Petrofac** (oil and gas) company in the field of instrumentation at Chennai

SOFTWARE SKILL SET

- Languages : C/C++, Python ,Embedded C
- Operating System : Windows XP, Linux
- Packages : MS Office

EXTRA CURRICULAR ACTIVITIES

Positions of Responsibility:

- **AHC** (Aaveg Hostel Coordinator) - 1st year intra hostel fest (**AAVEG'18**) – Winning hostel Representative
- **Deputy Manager**, Media Relations Team **Festember'18** – National Level Annual Cultural festival of NIT Trichy.
- **Deputy Manager**, Workshops Team **Sensors'18** - Department's Technical Symposium

Sports Activities

- Participated in **Sportsfete'18** and **Sportsfete'19** in Kho-Kho, Volleyball and various Track and field events
- Completed **Sportsfete'19** marathon (10kms) under 50 mins
- Won Bronze in Sportsfete'18 mixed relay (4*100)

Others

- **IGNITTE** – Teaching club of Nitt – Taught Jee subjects to Government school children in Perambalur
- **U and I volunteer group** – Teaching NGO – Taught students of REC middle school inside Nitt campus
- **SPIDER** (R&D club of Nitt)
 - i) Conducted Technical Workshops for Freshers to promote their technical skills in various domains
 - ii) Conducted a event called Cre8 for freshers to test their skills in fields like electronics, image processing etc.