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- C, C++, C#, Java, .NET
- DBMS, SQL
- MATLAB, SCILAB
- Arduino
- Additive manufacturing
- LaTeX

- **Goethe Zertifikat A1**
  - o Date : 12 Oct 2019
  - o Score : 90 / 100
- **Goethe Zertifikat A2**
  - o Date : 14 May 2019
  - o Score : 65 / 100
- **ielts**
  - o Date : 14 May 2019
  - o Score :

Tamil	● ● ● ● ●
English	● ● ● ● ●
German	● ● ● ● ●

DOB: 02/06/1999

Civil Status: Single

Phone: 044 - 48538623

<b>SRM INSTITUTE OF SCIENCE AND TECHNOLOGY</b> B Tech in Mechanical Engineering Score: 86.5 %	Jul 2016-Jul 2020 Chennai, Tamilnadu
<b>NSN MATRIC HR SEC SCHOOL</b> Higher Secondary Score: 90.33 %	Mar 2015-Apr 2016 Chennai, Tamilnadu
<b>SRDF VIVEKANANDA VIDYALAYA</b> Central Board of Secondary Education Score: 9.6(out 10)	Mar 2013-Apr 2014 Chennai, Tamilnadu

**QuickKart and TravelAway website** July 2021 – Aug 2021

As a part of my training in Infosys, I had to create two websites on shopping and travel company. Both websites were developed by .Net using Visual Studio IDE. Used Microsoft SQL for database, ASP.Net Core for created API and front-end is developed using Angular.

An innovative mechanical system containing dual axially rotating wheels will make use of few sensors to reach most of the 3D space efficiently. The mathematical model of the system is simulated and the 3D space is mapped in SCILAB software using various parameters.

A heat pipe combines the principles of both thermal conductivity and phase transition to effectively transfer heat between two sections. We fabricated a heat pipe setup with Arduino based temperature data logger and carried out the experiment with various parameters.

Designed, programmed and fabricated a Bluetooth controlled Arduino based rover using Arduino UNO, DC motors and bridge motor dual driver.

Design and analysis of quadcopter frame structure	Feb 2019 – Mar 2019
<p>Quadcopter frame model is designed and analyzed to check the reliability of body. Static analyses of quadcopter frame are analyzed based on calculation of magnitude of thrust produced by each motor and weight of each component.</p>	

## IN-PLANT TRAINING

ILJIN AUTOMOTIVE PVT LTD

(May 2018 – Jun 2018)

Worked in the shop floor where machining, assembly of wheel axle took place and other interior components of automobile.

## POSITION OF RESPONSIBILITY

- **Student Coordinator**  
KRATORQ'19  
SRM-IST, Vadapalani  
Sep 2018 – Sep 2020
- **Football team Captain**  
SRM-IST, Vadapalani  
July 2019 – April 2020
- **House Captain**  
NSN Group of Schools, Chennai  
June 2014 – May 2016

## EXTRA CURRICULAR ACTIVITIES

- Represented a private football club in first division league for 3 seasons, participated and won in various tournaments.
- Represented my university football team and won in various football tournaments.
- Volunteered in Sushanthi Seva, a community welfare organization from time to time since my schooling. Activities in assisted living facilities and retirement homes and Emergency response activities during floods.

## WORK EXPERIENCE

Infosys (System Engineer)

April 2019 – Present

- Worked in the orbital forming plant.
- Understood manufacturing of Individual differential components.

Simulation Lab (Research Intern)

Feb 2021 – April 2019

- Worked as a research intern at Simulation lab, worked on analysis of aerofoil for generating high lift when wing flap is introduced.
- The data was for different angle of attack and over range of velocities. For each data, simulation was carried out and then we concluded for which set of conditions the wing generates max lift.

IP RINGS LIMITED (Intern)

May 2019 – Jun 2019

- Worked in the orbital forming plant.
- Understood manufacturing of Individual differential components.

## CONFERENCES AND WORKSHOPS

- Presented a paper on **Resilience optimization of octocopter drone using two stage thrusters and thrust vector locking** in IEEE Global Conference for Advancement in Technology. *Vigneshwar, Ranjit Roshan and Noufal.*
- Attended workshop on **Artificial intelligence and Machine learning** at SRM Institute of Science and Technology, Chennai.
- Attended workshop on **Computer vision and Image processing** at Madras Institute of Technology.
- attended workshop on robotics (**Isensobots**) conducted by IIT Bombay.

## CERTIFICATION COURSES

Diploma in Product Design and Analysis

CADD Centre

- AutoCAD 2D, CATIA, Ansys Workbench, GD&T

Machine Learning Using MATLAB

Coursera

- Supervised and Unsupervised learning algorithm.
- Basic practices followed in ML.
- Case studies and various projects

Siemens NX Unigraphics

Udemy

- Drafting, Assembly, Part Modelling, Surface Modelling

Basics of Finite Element Analysis (FEA) - I

Nptel

- FEA is the simulation of a physical phenomenon
  - Covered I-D BVP, time dependent problems
- Also dealt with Eigen value problems. Score: 79 / 100