VIGNESHWAR K R

Email : vigneshwar.kr@gmail.com
Contact No : 9566281680
Nationality : Indian
GitHub : https://vigneshwar-kr.github.io/Vigneshwar/index.html
LinkedIn : vigneshwar k r

CAREER OBJECTIVE

Jklajdsfjsdkfasdjklfjsdkjfksajdfkjsakdjfkasjdfkjsdkfjksdjkafjkasjdfkjasfjskdfjksjdfkjsdkfjkasdjfkjasdkjfksdjfkjksdfjksjdaasdfsdfsaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

TECHNICAL SKILLS

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

TEST SCORES

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

LANGUAGES

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

PERSONAL DATA

DOB: 02/06/1999

Civil Status: Single

Phone: 044 - 48538623

ACADEMIC BACKGROUND

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY — Jul 2016-Jul 2020
B Tech in Mechanical Engineering — Chennai, Tamilnadu
Score: 86.5 %

NSN MATRIC HR SEC SCHOOL — Mar 2015-Apr 2016
Higher Secondary — Chennai, Tamilnadu
Score: 90.33 %

SRDF VIVEKANANDA VIDYALAYA — Mar 2013-Apr 2014
Central Board of Secondary Education — Chennai, Tamilnadu
Score: 9.6(out 10)

PROJECTS

QuickKart and TravelAway website — July 2021 – Aug 2021

As a part of my training in Infosys, Implemented two websites on shopping and travel company. Both websites were developed by .Net using Visual Studio IDE. Used Microsoft SQL for database which is connected to front-end through Data Access Layer (DAL) and Web API. DAL and API is implemented using the EF core and ASP.NET core. Front-end is developed using Angular.

Simulation of Cost Optimal 3d Environment Mapping Using Dual Axially Rotating Lidar Sensors — Aug 2020 – Sept 2020

Engineered and programmed an innovative mechanical system containing dual axially rotating wheels which makes 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.

Experimental Investigation and Performance Analysis of Heat Pipe — Feb 2020 – April 2020

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

Arduino Based Surveillance Rover — Sept 2019 – Nov 2019

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

Designed and analyzed Quadcopter frame model 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.

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 ACTIVITES

- 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 WORSHOPS

- 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