

VIVEK KUMAR GIRI

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West Bengal, India 📍

linkedin.com/in/vivek-kumar-giri in

EDUCATION

B.Tech in Mechanical Engineering Vellore Institute of Technology

07/2017 - Present

8.32

AISSCE SKS Public School

06/2014 - 04/2016

82.5

AISSE SKS Public School

04/2014 - 03/2016

87.4

WORK EXPERIENCE

Design and Propulsion Engineer Assailing Falcons

04/2018 - 03/2020

Team Assailing Falcons is a student Aero Team of VIT Vellore which builds Advanced class RC aircraft for SAE Aero Design Competition.

Achievements/Tasks

- Achieved 4th rank globally in SAE Aero Design, 2019.
- Achieved 3rd rank globally in SAE Aero Design, 2019.
- ANSYS analysis of the aircraft for different load conditions and also for the justification of various materials used in the aircraft which increased the strength to weight ratio by a factor of 2.
- Optimizing the primary control surfaces of the plane and performing dynamic analysis for enhanced flight control and superior performance during cross-wind conditions.
- Assisted and monitored the juniors of the team in the designing of the aircraft for SAE Aero Design East, 2020.

SKILLS

C++

JavaScript

MySQL

HTML

CSS

INTERNSHIP

Quality Inspection Engineer at TATA Motors. (06/2019 - 07/2019)

- Recognizing the various defects present in the road tested models of the trucks.
- Statistical analysis of various defects and their patterns over various variants of TATA trucks.
- Suggestion of various methods and techniques to reduce the defects which can be easily implemented by the industry without incurring any additional costs and minimal efforts.

CERTIFICATES

Data Structures and Algorithms - Coding Ninjas

Six Sigma Principles - Kennesaw State University

Share Market Course for Intermediates - FinnovationZ

Introduction to Aerospace Structures and Materials - TU Delft

INTERESTS

Book collecting

Travelling