IYER AADITHYA

Mechatronics Student at FH Aachen

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About Me

I have one and a half year work Experience with Designing and Prototype testing of Electric Vehicles

I was a part of my college Formula Student Team for two years

Hobbies: Motorsports, Karting, Road trips

Responsibilities

Executive Design Engineer, Mahindra Electric

Powertrain Team Member and **Graphics Head,** Team Orion Racing India

Creative Head-Mechanical Council

Skills

Electric Vehicle Battery Pack Design, DFMEA, DMU, Poka Yoke, Thermal and Structural Simulation, Testing (2017-2019)

Catia CAD Designing and Ansys Simulation for the Intake and Exhaust system of Gasoline Engines (2015-2017)

German: B2 from Goethe Institute

English

Hindi

Education

Master of Science
September, 2019 - today
Fachhochschule Aachen
Mechatronics (Third Semester)

Bachelor of Engg.
June, 2013 – Juli 2017
KJ Somaiya (Mumbai University)
Mechanical Engineering (210 credits)
German Grade: 1.56 (CGPI: 8.88/10)

College
March, 2011–March, 2013
PACE Junior Science College, Powai
Science
HSC: 85.83%

School
February, 2011
Bombay Scottish School, Powai
Elective: Computer Science
ICSE: 87.57%

Work Experience

June, 2018 – Sept, 2019
Mahindra Electric Mobility Limited
Profile: Design engineer for battery pack, research and development
Project: Development of battery pack concepts, perform DMU and DFMEA, assist in structural and thermal analysis, prototype testing

Team Orion Racing India
2016 - 2017
Formula Student Team, 2017
Role: Designing, simulating, manufacturing and testing of the intake and exhaust system of a two-cylinder Gasoline engine
Competitions: FS Germany, FS Italy

Team Orion Racing India
2015 - 2016
Formula Student Team, 2016
Project: Assist in the designing, manufacturing and testing of Formula-prototype Race cars and participate in static and dynamic events at the competition
Competitions: FS Germany, FS India

Tata Motors Pvt. Ltd.
June – July, 2015
Internship
Division: Tata Sumo BIW
Project: Compare CO2 welding with spot welding process and replace it. Design Fixtures for the spot welding process. Provide solutions to reduce spot welding costs by reducing spool consumption

Technical Paper
2nd Place – PRAKALP 2016

Software Skills

CATIA · MATLAB · STAR-CCM+ · python · ROS