

Debarshee Ghosh

ghoshd@student.chalmers.se | +46-724484798 | Motgängen 302 Lgh 1102

EDUCATION

CHALMERS UNIVERSITY
MSc IN APPLIED MECHANICS
2018 - PRESENT
Gothenburg, Sweden
CGPA: 4.6/5

PES INSTITUTE OF TECHNOLOGY
B.E. IN MECHANICAL ENGINEERING
2013 - 2017
Bangalore, India
CGPA: 9.41/10

NATIONAL PUBLIC SCHOOL
HIGHER SECONDARY SCHOOL
2011 - 2013
Bangalore, India
AISSCE: 90%

TECHNICAL SKILLS

SOLID MODELLING SOFTWARES

- Catia V5
- Solid Works
- Siemens NX 12.0

CFD TOOLS

- CFX
- ICEM
- Turbogrid
- StarCCM+
- ANSYS FLUENT

GENERAL CODING

- MATLAB
- Python

MISCELLANEOUS

- R
- Latex
- Advanced Excel

INTERESTS

- Turbomachinery
- CFD •Thermal Design
- Aerospace Engineering

LINKS

LinkedIn:// [Debarshee Ghosh](#)

WORK EXPERIENCE

GKN AEROSPACE SWEDEN | MASTER THESIS - 60 CREDIT
Aug 2019 – Present | Gothenburg, Sweden

- Analysis of Boundary Layer Ingestion (BLI) propulsor
- Aerodynamic design of BLI fan and fan outlet guide vane (FOGV)
- Design for manufacturing of the fan and FOGV blades
- Aerodynamic performance analysis of BLI fan and FOGV
- Detailed aerodynamic performance analysis of BLI fan and FOGV
- Pre-test analysis for experimental test facility

ALSTOM TRANSPORT INDIA LTD | PROCESS ENGINEER
July 2017 – Aug 2018 | Bangalore, India

- Designed, analyzed & industrialized jigs & fixtures for bogie assembly
- Responsible for process and material flow optimization
- Responsible for method time optimization for bogie assembly
- Responsible for layout planning and execution of the bogie shop for a new manufacturing facility in Bihar, India

RESEARCH

CFD AND WIND TUNNEL INVESTIGATIONS OF ICE3 TRAIN
March 2019 - June 2019 | Chalmers University of Technology

- 3D-Modelling and wind tunnel testing of ICE3 train, to assess effect of ground clearance on drag and thereby fuel consumption.

CHALMERS UNIVERSITY | PROJECT ASSISTANT
July 2019 – December 2019 | Gothenburg, Sweden

- Compressor rotor structural analysis
- CFD modelling compressor volute and exit duct
- CFD modelling of radiator and performance analysis

INTERNSHIPS

TEAM HAYA - FORMULA SAE | BUSINESS TEAM LEAD & DESIGN TEAM
Sept 2014 – June 2016 | PES Institute of Technology

- Design and analysis of exhaust system
- Responsible for powertrain design, calculations & selection
- Developed business plans for various national level competitions

THE MATH COMPANY | INTERN
Jan 2017 – June 2017 | Bangalore, India

- Developed training material for R
- Suggested target market change for a FMCG company
- Studied customer rate attrition for a housing company

AWARDS AND DISTINCTIONS

- "The Entrepreneurial Young Engineering Graduate" - Alstom - 2017
- "Certificate of Appreciation" - Alstom - 2018
- Presented a paper at National Aerospace and Propulsion Conference - 2017
- Served as school sports captain 2012-2013