

Shireesha Abhilash

Specialist at Bosch

Experience

Specialist at Bosch

September 2015 - Present (1 year 7 months)

Senior Engineer at GKN Aerospace

October 2012 - March 2014 (1 year 6 months)

CAE Senior Engineer at Volvo Aero Corporation

December 2010 - September 2012 (1 year 10 months)

1. Contribution of design proposals, developments of 2D axisymmetric models and 3D FE models and perform sensitivity analysis, different concepts analysis, Stress Analysis, Fatigue analysis (LCF) on RM12 Military Engine
2. Justification of non-conformances in the GENx-1B and -2B TRF by applying physics of the problem.
3. Reviewing for On-Time and error free deliverables of CAE assessments supporting NC justifications. Review Fatigue analysis results of other project members.

Stress Analysis Engineer at GE Energy

June 2007 - December 2010 (3 years 7 months)

1. Rotor Life Extension of 7FA+e.
Development of 3D models of the turbine bolted joints and stages 10-17 compressor dovetails and perform stress analysis, LCF analysis and FM analysis for the Rotor Life extension
 2. 6B Compressor Rotor 144 Hr restart
Evaluate and Study the 2D Structural behavior of 6B compressor rotor for 144 hr restart Mission (ISO condition) along with Joint Characterization, LCF, FM @ Bore Location
 3. 9F Growth-Turbine Rotor Dovetail Design
Generating the geometry of dovetail using Unigraphics tool - Importing in to Ansys Workbench and tweaking the geometry in order to meet all the design practice criterion like crush, shear, tang P/A and live rim P/A
Optimizing the obtained dovetail design using Ansys Workbench.
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Skills & Expertise

Unigraphics

Turbines

Stress Analysis

ANSYS

Structural Engineering

Aerospace Engineering

CAE

Fatigue Analysis

Pro Engineer

Hypermesh

Engineering Design

Gas Turbines

Finite Element Analysis

Engineering

Structural Analysis

Solid Mechanics

MSC.Patran

Nastran

Education

Anna University

Master of Engineering, Mechanical, 2005 - 2007

Grade: 8.55CGPA

Activities and Societies: Presented papers in Two National level technical conferences and in one International conference.

Jawaharlal Nehru Technological University

BTech, Mechanical Engineering, 2001 - 2005

Grade: 81%

Activities and Societies: Volunteered and took up the responsibility of organizing a national level Paper presentation conference called MECHONANCE

Vikas Jr College

Jr College, Mathematics, 1999 - 2001

Activities and Societies: Participated in organising the Hostel Cultural Events, College Sports..Student Representative of the Hostel

Interests

Playing shuttle, Travelling and Handicrafts

Shireesha Abhilash

Specialist at Bosch



1 person has recommended Shireesha

"Bright student in class. Good analytical ability. Intelligent"

— **Sivasankaran C**, studied with Shireesha at Anna University

[Contact Shireesha on LinkedIn](#)