DHIRAJ S. BOLE

About Me

📅 5 Year 6 months experience

🎁 November 13, 1990

📍 Chennai, Tamilnadu

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Professional Summary

A result-oriented CAE engineer with five and half years of experience in NVH Analysis. Looking for an active and dynamic position in an innovative environment where I can apply my expertise for the potential growth of the organization and self.

Education

Masters of Technology
Vellore Institute of Technology
Chennai Tamilnadu

Graduated, May 2015
Marks 8.69 CGPA
Division 1

Bachelor of Engineering
College of Engineering & Technology Akola
Amravati University
Akola, Maharashtra

Graduated, July 2012
Marks 69.29%
Division 1

Skill Set

CAE Tools: ANSA, BETA CAE Metapost, Hypermesh, HyperView, Hypergraph, NASTRAN, Optistruct, ANSYS (Mechanical APDL, ICEM-CFD, FLUENT)

Design Tools: CATIA V6**,** Solid Works**,** Auto CAD

Work Experience

Project Engineer at Fiat Chrysler Automobiles (FCA)   Oct 2019- Present

Working onsite in **FCA** as **Sr. Project Engineer** from EinNel Technologies Chennai since October 2019- Present.

Responsibilities:

o   Developed automotive body structures both trimmed and un-trimmed (BIW) using FEA tools.

o   Modal analysis, Global Stiffness analysis Kb & Kt at BIW level, Dynamic Stiffness, Modal setup, and analysis for acoustics sensitivity analysis at Trim body level.

o   Present the results in form of curves and graphs using data analysis tool Hypergraph.

o   Collaborated with design teams to develop solutions to validate the designs.

o   Analyzed CAE baseline and summarized results and feedback conclusions.

o   Recommended design improvements based on CAE results, being aware of potential design contraints in packaging and manufacturing.

CAE Engineer at Ford Motor Company. Dec 2015 – Sept 2019

Working onsite in **Ford** Automotive India as **CAE Analyst** from Satyam Venture Engineering Services Chennai, since December 2015.

Role and Responsibilities:

- 4+ years of hands-on experience in NVH domain.
- Strong experience in BIW (Body in White) and TBIW (Trimmed body) build for body Durability and NVH analysis using ANSA and Hypermesh. (Nastran deck)
- Experienced in debugging and performing free-free run (modal analysis SOL 103) of BIP and TB models.
- Performed finite element modeling, applied boundary conditions, loading conditions using preprocessor Hypermesh for several automotive components and analyzed results in Hyperview (SOL 101, SOL 108, SOL 111).
- Cavity modeling for vehicle acoustics analysis (Noise transfer function)
- FE modeling of entire BIW structure, closures, power train mounts and other subsystems using ANSA

Awards and Recognition

- o Awarded with certificate of Functional excellence for significant contribution towards Trim body model builds by FORD.
- o Received pat on back and Certificate of excellence for commitment and diligence shown on a consistent basis while executing time critical projects for top OEM's model build team.

Institutional Projects

1. **Project Title:** Numerical Investigation of Flow Past Two Square Cylinders Arranged in Tandem at High Reynolds Number. (Master's Thesis)

Duration: Six months (M.tech 2015)

2. **Project Title:** Flow Past Two Square Cylinders Arranged in Tandem at Low Reynolds No.

Duration: Four months (M.tech 2014)

3. **Project Title:** Study the effect of few parameters on performance of AIR SCREEN SEED CLEANER MACHINE

Duration: Six months. (B.E 2012)

Extra-Curricular Activities

- Participated in vehicle "Ride and Drive" program by Fiat Chrysler Automobiles and evaluated the NVH performance rating based on objective (test) and subjective data.
- Participated in one day workshop on 'Rapid Prototyping and its applications to industries in engineering and healthcare' organized by SMBS VIT Chennai, March 2014.
- Participated in Talent search aptitude test held by PESAA (Production Engg Student's Academic Association).
- Participated in national level student's paper presentation Technothlon 2012.

- Participated in Talent Hunt2010 organized SAPT (Student's Association of Polymer Technologist).
- Worked as a volunteer in national level student's paper presentation Technothlon 2012.

Languages

- Marathi
- English
- Hindi

Personal Interests

- Playing badminton
- Listening to music

Operating Systems Known

- Windows
- Linux

Personal Details

Father's Name:	Shrikrishna V Bole	Marital Status:	Single
Birthday:	November 13, 1990	Nationality:	Indian
Gender:	Male		

Declaration

I, Dhiraj Bole, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Dhiraj Bole   Chennai, Tamilnadu