

Vaibhav Dangwal

Qr no. 5, Staff Colony K.V.No.2, Near Airforce Station • Ambala Cantt, Haryana • PIN 133001
CELL 9458381684 • E-MAIL vaibhavdangwal93@gmail.com

PROFILE

Technical Writer, APTARA.

Research Engineer (on campus), Aerosphere.

SAE College Publicity Chair (2013-14), SAE India.

Manager Hospitality – Ignite 2013, UPES.

EDUCATION

Automotive Design Engineering Student

66% till 7th Semester (December 2015).

University Of Petroleum and Energy Studies.

Graduation in 2016 (Year Break 2014-2015).

D.H.D.S.D Public School

Completed 10th with **92%** in 2009.

Completed 12th with **76%** in 2011.

SKILLS

CATIA v5

Ansys Autodyn

Solidworks

Microsoft Excel

PROJECTS

1. Walk Pedal System

Design and fabrication of a pedal system which follows human walking style, reduces fatigue with much more efficiency.

2. Ballistic Simulation of Impact of an AK47 bullet on an assemblage made of Floatglass and Plexiglass Sheets arranged in alternate order

(Also presented as a research paper in National Conference on Emerging Trends in Aircraft Design and Manufacturing).

3. Simulated Designing and Testing of a Military Helmet made using Polyurethane Cover and Steel 4340 Cage, for Ballistic Impact

(Selected for being published in November 2014 Issue of International Journal of Aerospace and Mechanical Engineering).

4. Bumper Crash Analysis using Ansys (ongoing).

Optimization of a TATA 407 LPT bumper, by doing crash testing on Ansys (in explicit dynamic workbench).

EXTRA ACTIVITIES

- **AIR 4 + “BEST MARKETING AWARD”** in **Efficycle 2013**.
- **AIR 35** in **Technothon 2009**, organized by **IIT Guwahati**.
- Attended “**Workshop on Automobile Designing using Reverse Engineering**” at **IIT Bombay**.
- “**Certificate of Merit**” for NX V7.5 – Drafting Essential Skills, Sketcher Fundamentals, Essentials for NX designers, from Kadkraft Systems Private Limited.
- **First Position** in technical event “**Cash your Trash**” in **Autotronics 2011, UPES**.
- **Manager** of Hospitality Team, Ignite 2013 (UPES Techfest).
- **Sub Manager** of Hospitality Team, Uurja 2012 (UPES Cultural Fest).
- Presented a research paper at “**National Conference on Emerging Trends in Aircraft Design and Manufacturing**”, which was organized in collaboration of host college with DRDO, Aeronautical Society of India, and Institution of Engineers India.
- Participated in various Art and Craft Competitions in University. An aspiring digital artist – visit **vaibhav_dangwal** at [www.instagram.com](https://www.instagram.com/vaibhav_dangwal) for my artworks.

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