

# VISHAL CHAURASIA

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## EDUCATION

Year	Degree	Institute	Percentage/CGPA/Achievements
2012-present	B.Tech in Mechanical Engineering	Indian Institute of Technology Patna	CGPA= 8.9 <b>Institute rank- 5<sup>th</sup></b>
2011	Class XII [State Board]	SSSV Inter College Faizabad	89.2% <b>School rank- 1<sup>st</sup></b> <b>State rank- 18<sup>th</sup></b>
2009	Class X [State Board]	SSSV Inter College Faizabad	79% <b>99% in Mathematics</b>

## WORK EXPERIENCE

### **Summer Intern || Hero MotoCorp Ltd (HM1D), Dharuhera**

Mentor: Mr. Sudhanshu Shekhar Padhy

Duration: 15<sup>th</sup> May- 10<sup>th</sup> July 2015

- Developed two user friendly E-Learning modules in order to help beginners by explaining each and every single step sequentially during dismantling and assembly processes of 125 cc core1 engine and Eco-Deluxe frame.

**Accolades:** Received certificate of completion and excellence from mentor.

### **Summer Intern || Diesel Locomotive Works (DLW), Varanasi**

Duration: May-June 2014

Workshops: Heavy Machine, Light Machine, Heavy Weld & Loco Frame Shop.

- Got exposure of various manufacturing processes like Milling, Boring, Grinding, Drilling, shaving, SAW, SMAW, GMAW etc. involved during fabrication of diesel locomotive engines.

## ACADEMIC PROJECTS UNDERTAKEN

### **Fabrication of an All Terrain Vehicle (ATV) For SAE-BAJA- 2015**

Mentor: Dr. Akhilendra Singh, Assistant Professor, IIT Patna.

Duration: August 2014- Present.

- Member of Brakes and Wheel Department for team BAJA IIT Patna which has successfully cleared the virtual round and will participate in main field event in February 2015.
- Used **Solid works** to model the brakes and wheel system and assembled it with the chassis of the car.
- Did calculations starting from paddle travel ratio, mass transferred on front, Temperature analysis, outer Diameter of tyre and pitch circle diameter of rim to assemble knuckle.

**Accolades:** The team qualified amongst top 100 from a pool of 500 Indian and 40 International teams.

### **Fabrication of a Fixture to fix metal plates for a laser machine**

Mentor: Dr. Probir Saha, Assistant Professor, IIT Patna

Duration: Mar-Apr 2014

- Used several manufacturing machines like WEDM, CNC Milling, Drilling Machine, Laser Cutting Machine etc during the project work.
- The Fixture ended up as a very useful tool for our laser machine lab.

## **Designed a working model demonstrating a compact way to park cars in future**

Event- Science Expo || ANWESHA 2013

1<sup>st</sup> year Project

- Modelled an Innovative technology based on hydraulics principle which successfully demonstrated how to park large number of cars in small areas of urban region.

**Accolades:** The model was awarded the first prize from the Hon'ble Director of IIT Patna.

## **TECHNICAL UNDERSTANDING**

- **Design and Modelling Softwares:** SolidWorks, ProE, AutoCAD
- **Simulation software:** Ansys
- **Programming Languages:** C, JAVA, MATLAB
- **Other Softwares:** Adobe Photoshop, illustrator, after effects, Microsoft Office.

## **LEADERSHIP AND POSITIONS OF RESPONSIBILITY**

### **➤ Co-ordinator || Training and placement cell || IIT Patna (Jan 2015- present)**

- Sharing all TPC related informations and awareness, conducting regularly personality and soft skills development activities to enhance the job securing potential of my cohort. Enthusiastically involved in such activities that can improve placement statistics even more.

### **➤ Creatives Manager || SCME Club || IIT Patna (July 2014- May 2015)**

- Managed and designed creatives of Mechanical events and activities under STUDENT COUNCIL OF MECHANICAL ENGINEERING (SCME) CLUB.

### **➤ Literary Coordinator || Anweshā'15 || IIT Patna (Feb 2015)**

- Guided all the literary events successfully which were to be executed at Anweshā'15, an annual techno-cultural fest of IIT Patna.

### **➤ Literary Secretary || IIT Patna (July 2014- May 2015)**

- Promoted and developed literary works at IIT Patna all the way through organising events.

### **➤ Creatives Manager || Rural Technology Development Club ( Nov 2014- May 2015)**

- Taken the responsibility to present all the authentic technological challenges in or around villages and their solutions through videos, presentations and posters under 'UNNAT BHARAT ABHIYAN', an initiative taken by **Central Government of India**.

## **EXTRACURRICULAR ACTIVITIES**

- Always look forward to engross in such activities which involve imagination and creation as writing novels, exploring innovative solutions, making short movies; also I've written drama scripts for our college drama team.
- Won **1<sup>st</sup> prize** in Science expo at Anweshā'13. Got two **silver medals** in wall painting art competitions at Reverberance'13 and Reverberance'14.
- Organised technical events: **WALL.E** at Celesta'14 and **Catch me if you can** at Anweshā'14.
- **Batch topper** in all Humanities and social sciences electives.
- Avid football player and a passionate football geek.

## **DECLARATION**

I hereby declare that all the information given above is true to the best of my knowledge.