

Chirag Jain

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Room No A733, Boys Hostel, IIT Patna, Bihta, Bihar

EDUCATION

Class X (Central Board of Secondary
Education)

April 2009 — March 2010

Campion School

CGPA : 9.4 (out of 10)

Class XII (Central Board of Secondary
Education)

April 2011 — March 2012

Campion School

Marks Percentage : 82%

B-Tech, Mechanical Engineering

July 2013 — 2017 (expected)

Indian Institute of Technology, Patna

CPI: 7.1 (on a 10 point scale)

WORK EXPERIENCE

Bharat Heavy Electricals Ltd (BHEL)

May 2015 — June 2015

Training

- Acquired knowledge of the following during training :
 - 3D CAD modelling and flow simulations of different turbines.
 - Small Scale testing of fabricated models.
 - Construction and assembly of turbine parts.
 - Non-Destructive Testing methodologies used for different turbine parts.

Centre for Research and Industrial Staff
Performance (CRISP)

June 2014 — July 2014

Training

- Acquired knowledge of 3D modelling and designing of components using CATIA v5.

TECHNICAL PROJECTS

1. Human Powered Vehicle Challenge (2014-15)

It involved the design, construction and analysis of a human powered vehicle for HPVC '15. My tasks included:

- Design and construction of the Aerodynamic fairing for the vehicle.
- Preparation of the CAD model of the vehicle using CATIA v5.
- Static structural load analysis and aerodynamic flow analysis using ANSYS 14.0

Faculty Advisor : Dr. Atul Thakur, Asst. Professor, IIT Patna.

2. Techniche (2013-2014)

Participated in Techniche 2014. The tasks included:

- Making a White line tracer robot capable of traversing a complex arena taking the shortest route.
- Making a pole climber robot capable of climbing a stationary pole in the shortest time interval.

HARDWARE EXPERTISE

- **(Atmega, Arduino)** microcontrollers.

MACHINES

- Wire E.D.M, Ultrasonic Machine, Rapid Prototyping Machine, Laser Cutting Machine, CNC Lathe and Milling, Optical Microscopes.

SOFTWARE EXPERTISE

- **3D modelling softwares** : CATIA, SolidWorks, AutoCAD, CREO (Pro-E).
- **Simulation Softwares** : ANSYS, MATLAB.
- **Programming Languages** : JAVA, C, C++.

EXTRA CURRICULAR ACTIVITIES/ACHIEVEMENTS

- **Co-ordinator**, Department of Media and Public Relations, Anwesha 2016 (Techno-cultural fest of IIT Patna)
- **Sub Coordinator**, Department of Marketing and Sponsorship, Anwesha 2015
- **Basketball Player**, part of Inter-IIT basketball team of IIT Patna (2013,2014).
- **Rhythm guitarist** and **back vocalist** in a college band. A part time drummer as well.
- **Second Runner Up** in Auto Quiz, Celesta 2014 (Technical Fest of IIT Patna).
- **Winner** of singing competition in Spectrum 2014 (Cultural fest of NIFT Patna).