

# Kushagra Bhatt

Dept. of Mechanical Engineering  
Indian Institute of Technology, Patna

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**Current Address:** A624, Boys hostel 1, IIT Patna, Bihta, Bihar, India. (801103).

## Objective

Seeking a summer internship opportunity to gain exposure and contribute positively.

## Educational Qualifications

Education Details	Board/University	Institute	CPI / %	Year
Graduation (B. Tech 3 <sup>rd</sup> year)	IIT Patna	IIT Patna	7.34/10	2013-Present
Intermediate/+2	C.B.S.E.	Nirmala Convent ,Haldwani	89.6 %	2012
Matriculation	C.B.S.E.	Nirmala Convent ,Haldwani	9.6	2010

## Academic Projects undertaken

### Project | SAE SUPRA'15

Faculty advisor: Dr. Manabendra Pathak ,Indian Institute of Technology ,Patna.

- It's a project in which we manufactured a F1 open cockpit car for the competition and participated in the annual SUPRA event held at Chennai.

### Automatic side stand retrieval system

Faculty advisor: Dr. Probhit Saha , Indian Institute of Technology, Patna

- Retrieves side stand on ignition by installing a sprocket between the rear wheel hub and transmission of the engine.

### Other projects

- Hydraulic arm (Based on the principle of Pascal's law.)

## Technical skills

### Programming language

- C, C++, Java.

### Design and simulation software.

- Solidworks , Catia, MATLAB, Creo/proe, AutoCAD,ANSYS.

### Machine Exposure

- CNC Lathe, CNC Milling, Optical Microscopes, Rapid Prototyping Machine, Laser Cutting Machine, Power Drill, Grinding Machine, Wire E.D.M.

## Extra-Curricular Activities and Achievements

### Technical Activities

- Won 1<sup>st</sup> prize in Death race and Wall-E organized at CELSTA'13. (Techno Management Fest of IIT Patna.)
- Active member of SCME(Student Council of Mechanical Engineers) club at IIT Patna.

### Miscellaneous

- Organized FIFA(PC Game) at CELESTA'14.(Techno Management Fest of IIT Patna.)
- Won 1st prize in FIFA organized at ANWESHA'15.(Techno Cultural Fest of IIT Patna.)
- Secured All India Rank 384 in IMO(International Maths Olympiad) in class 10<sup>th</sup>.

## Areas of interest

- Aeronautics, automobiles, Thermodynamics, Mechanical Design, Manufacturing , System Dynamics.