

SHASHANK SINGH

B.Tech 4th year

Department of Mechanical Engineering

Indian Institute of Technology Patna

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PERSONAL INFORMATION

Languages– English and Hindi.

Date of Birth- 27th of Oct. 1994.

Institute Address- Room no. 601 B block, Boys Hostel,

IIT Patna, Bihta, Bihar.

EDUCATION

Under-Graduation: Indian Institute of technology Patna

Bachelor of Technology in Mechanical Engineering

2012-2016(expected)

	Sem.1	Sem.2	Sem.3	Sem.4	Sem.5	Sem.6	Sem.7	Sem.8
SPI	7.63	6.86	7.89	8.69	8.81	8.91	---	---
CPI	7.63	7.27	7.48	7.79	8.01	8.16	---	---

Schooling: Simpkins School, Agra(10), Uttar Pradesh

Class	Percentage	Year of Passing	State/Board
X	76.5	2009	CBSE
XII	84.2	2011	CBSE

OBJECTIVE

- To work in a challenging environment demanding all my skills and efforts to explore and adapt myself in different fields and realize my potential where I get the opportunity for continuous learning

INTEREST IN RESEARCH AREAS

- Non-Destructive Testing
- Composite and Ceramic Structures
- Automobile
- Robotics

INTERNSHIP AND RESEARCH EXPERIENCE

SUMMER INTERNSHIP. DEP. OF MECHANICAL ENGINEERING. INDIAN INSTITUTE OF TECHNOLOGY KANPUR. (2014)

- To evaluate the insight defects to complex surfaces of aeronautical structures using Ultrasonic Non-Destructive Testing under Professor N. N. Kishore, Dept. of Mechanical Engineering, Indian Institute of Technology Kanpur.

STUDY AND TROUBLESHOOTING OF MIXER BUILDING IN TATA STEEL, JAMSHEDPUR. (2015)

- Worked upon Air Slide and Discharge Gate maintenance problems, under Sr. Manager Kalyan Prasad (Mechanical Depart.).

MAJOR PROJECTS UNDERTAKEN

SAE INDIA SUPRA 2014 & 2015

- Member of college team which aims to manufacture a formula styled car for weekend motor enthusiasts. **Result:** Team got All India Rank 54 (2015) and All India Rank 21 (2014).

Stair Climbing Bot (ATV) (2013)

- Manufactured a 12 WHEELED - 28 GEARED complete autonomous , path following bot. **Result:** Awarded with first prize in Technical Event - Science Expo(IIT Patna Techno-Cult fest)

Manual Rice Transplanter(2013)

- Successfully manufacture and design a 3D model of a Rice Transplanter for rural people under Rural Technology and Development Club of IIT Patna.

ROBO SOCCER(2012)

- Manufactured an autonomous bot that can sense a ball and take it to the goal post by opposing the hurdles. **Result:** Selected in top four teams in IIT Patna Techno-cultural fest Anwasha.

TECHNICAL UNDERSTANDING

EXPERIENCE WITH MACHINES

- CNC milling and lathe, Lathe machine, Grinding machine, Power Drill, laser Cutting Machine, Optical Micro Scopes, Hydraulic Press, Ultra Sonic Machine, WEDM and Welding Machines.

SOFTWARE SKILLS

Softwares- SolidWorks, AutoCAD and Pro-E, Ansy, HyperWorks,MS-Office.

Programming Skills- C, C++, Java (OOPS), MATLAB, Python.

EXTRA CURRICULAR ACTIVITIES

- Participate in technical events – Robosoccer, 3Axis Hydraulic Arm, Path in IIT Patna technical fest in 2013- 2014.
- Technical Head Student Council of Mechanical Engineering, IIT Patna.

POSITION OF RESPONSIBILITY

- Coordinator and Organizer Of Technical Event (Wall-E (robotics)) in IIT Patna Technical event "CELESTA" in 2013.
- Organizer of 2 Technical Events (Science –Expo & Catch Me If U Can) in IIT Patna Techno – Cultural event "ANWESHA" in 2014.