

# Shivam Yadav

B.Tech , 3<sup>rd</sup> Year(6<sup>th</sup> Sem)  
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## OBJECTIVE

To obtain a summer internship which provides me an opportunity to gain exposure, to get hands-on experience in world class level laboratories and explore the world of Civil Engineering.

## TOPICS OF INTEREST

Interested in RCC and Steel structures and analysis, sustainable technologies (like Green Buildings and Concrete etc.), soil mechanics and foundation engineering.

## EDUCATION DETAILS

Educational Qualification	Year	Institute	Aggregate/CPI
B.Tech (Civil Engineering)	2013-Present	Indian Institute of Technology Patna	8.3
Intermediate (CBSE)	2012	Gaurav Memo. Intl. School , Kanpur , U.P, India	91.2
Matriculation (CBSE)	2010	Gaurav Memo. Intl. School , Kanpur , U.P, India	89

\*Aggregate - % : \*CPI on scale of 10

## ACADEMIC PROJECTS AND WORK EXPERIENCE

- 2015 : 23 May-13 June  
Completed **Summer Training** at KDA (Kanpur Development Authority) under guidance of **Er. D.K. Gupta (Executive Engineer)** . Gained first-hand Knowledge about building materials, concrete technology and surveying nuances through the practicals and direct exposure to the construction site.
- 2015 : March –April (4<sup>th</sup> Sem)  
**Research Paper Critiquing**  
**Guide : Prof. Subrata Hait and Prof. Om Prakash**  
**Topic** : Design of groundwater level monitoring network with ordinary Kriging.  
By : YANG Feng-guang, CAO Shu-you, LIU Xing-nian, YANG Ke-jun.
- 2014 : Oct – Nov (3<sup>rd</sup> Sem)  
**Fluid Mechanics Project**  
**Guide : Dr. Manabendra Pathak**  
**Objective** : To prepare a seminar report on “Pipe Flow vs Open Channel flow”.
- 2013 : Aug –Sep (1<sup>st</sup> Sem)  
Designed a human hand-inspired **end effector** for a **hydraulically actuated, 360 degrees rotatable robotic arm** for a competition organized by **SCME club of IIT Patna**.

## SOFTWARE SKILLS

- Proficient in following Programming languages : C(5000 lines), Java(5000 lines), C++(5000 lines)
- Skilled in following engineering softwares : AutoCad (2011) sound knowledge of 2D and 3D modelling, SAP 2000 and some experience in ABAQUS software.

## SCHOLASTIC ACHIEVEMENTS

- Qualified IIT-JEE Advance 2013
- Second School Topper (Intermediate) 2012
- Amul Vidya Shree Awardee (Matriculation) 2010

## EXTRA-CURRICULAR ACTIVITIES

- Inter IIT -2014 (IIT Bombay)(Basketball player)
- Hydraulic robot competition-2013 (At IIT Patna)

**REFERENCES** : Should be provided on demand.

