

## EDUCATION

<b>Bachelor of Technology, Electrical Engineering.</b>	<b>Graduating 2016 (expected)</b>
<b>Indian Institute of Technology Patna (IIT Patna):</b> Cumulative Grade Point Average: 7.03/10	<b>(over 6 semesters)</b>
<b>Higher Secondary Certificate, CBSE</b>	
Delhi Public School Kalyanpur, Kanpur: 95%	<b>(2009)</b>
<b>Senior Secondary Certificate, CBSE</b>	
Delhi Public School Kalyanpur, Kanpur: 91.8%	<b>(2011)</b>

## EXPERIENCES

<b>Autonomous Robotics</b>	<b>(2012)</b>
<ul style="list-style-type: none"><li>Detect the colour of the image through MATLAB coding.</li><li>Also detect the gestures of the hand.</li></ul>	
<b>Intern at Panki Thermal Power Station</b>	<b>(June 2014-July 2014)</b>
- Assistant Engineer: Mr. Ajai Dwivedi	
<ul style="list-style-type: none"><li>Learnt about generation and transmission of Electricity.</li><li>Learnt about the control of all the systems of Power Station.</li></ul>	
<b>Intern at Indian Institute of Technology Kanpur</b>	<b>(May 2015-July 2015)</b>
-Professor: Dr. Venkatesh Subramanian	
<ul style="list-style-type: none"><li>Recovery of Gait from POV vision.</li><li>MATLAB code was developed.</li></ul>	

## ACADEMIC PROJECTS

<b>Scrolling Display of LED Matrix</b>	<b>(2013)</b>
<ul style="list-style-type: none"><li>Developed a Matrix of 26×8 LEDs in a team of 2 members.</li><li>Displayed scrolling message using Arduino.</li></ul>	
<b>Generation and Synchronous Detection of BPSK modulation</b>	<b>(2014)</b>
-Mentor: Dr. Sumanta Gupta (Assistant Professor of Electrical Engineering Department, IIT Patna)	
<ul style="list-style-type: none"><li>PCB designing using software Dip Trace.</li><li>Developing a circuit to detect BPSK signal, synchronously.</li></ul>	
<b>Seizure Detection in EEG</b>	<b>(2014)</b>
-Mentor: Dr. Mahesh Kolekar (Assistant Professor of Electrical Engineering Department, IIT Patna)	
<ul style="list-style-type: none"><li>Studied for Classification methods in Seizure Detection Method.</li></ul>	
<b>Irrigation control system using GSM for efficient use of water and power</b>	<b>(2015)</b>
-Mentor: Dr. Aneek Adhya (Assistant Professor of Electrical Engineering Department, IIT Patna)	
<ul style="list-style-type: none"><li>Automated irrigation control system was developed.</li><li>Arduino Atmega328 and GSM SIM900 module was used.</li><li>DC motor was used to switch on the pump when a SMS is received by an authenticated phone number.</li></ul>	
<b>Gait Analysis</b>	<b>(Ongoing)</b>
- Mentor, Dr. Mahesh Kolekar (Assistant Professor of Electrical Engineering Department, IIT Patna)	
<ul style="list-style-type: none"><li>Gait analysis of different objects using MATLAB.</li><li>Classify them on gender or age basis.</li></ul>	

## SKILLS

- Hardware:** FPGA Design, Digital Circuit Design
- Software:** C, C++, Java, MATLAB, Simulink, Xilinx, Pyxis, Design Vision, Dip Trace

## EXTRA CURRICULAR ACTIVITIES

### Post of Responsibility

- Planning Sub Coordinator** of IIT Patna Techno-cultural fest Anwasha'2014.
- Sports Secretary** for the session 2014-2015.

### Hobbies

- Represented IIT Patna at 49<sup>th</sup> Inter IIT in **Table Tennis**.
- Event Organizer** for various cultural events like Syngphony (singing competition at Anwasha'14), Rangoli, etc.