

Shubham

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Room- A731, Boys Hostel
Indian Institute of Technology
Patna, India

Education	Indian Institute of Technology (IIT) Patna	Graduating 2017
	<i>Bachelor of Technology in Electrical Engineering (CPI 7.85*)</i>	Patna, India
	Relevant Coursework: Digital Circuits and Microprocessors, Signal and Systems, Analog Circuits Projected Autumn '15: Intro to VLSI design, Control Systems, Electronic Instrumentation, Digital Signal Processing Other: Electrical Power Systems, Semiconductor Devices *till 5 th semester	
	Abhinav Public School (CBSE Board, New Delhi)	May 2013
Experience	Estinno (Eastern Innovations)	Summer 2015
	<i>Industrial Intern</i>	Rourkela, Odisha
	<ul style="list-style-type: none">Studied and Implemented USB communication protocol to emulate the human interface device class on PIC processors.Enabled the serial communication devices to communicate through a common USB protocol which simplified the integration of devices to develop internet of things based systemsEngineered an efficient auto-daylight switching system with user controlled switching intensity and hysteresis loop function to give more effective lighting at dusk and dawn.Finished product is being sold in the market has more features than any other product of same price range.	
	I3 India Technologies	December 2014
	<i>Embedded Systems Training</i>	New Delhi
	<ul style="list-style-type: none">Designed sensor systems prototypes such as Digital Thermometer, Tachometer, Ambient Light SensorDeveloped control systems applications prototypes such as basic home automation , cellphone controlled robot, infrared sensor based visitor counter, temperature controlled fan and alarm system	
Projects	Sensory Substitution Vest (Atmel Design Contest 2015)	July 2015- Present
	Designed a project to send information about surroundings and connected systems to human through vibratory sensations with a connected jacket enabling people to have both sensory addition and substitution	
	Human Interface Gaming	February 2015
	Developed a prototype based on MIT Media Lab project called 'Makey Makey' , which enables to play computer games though interfacing with multiple conducting objects such apples as piano keys and aluminum plates as game pads.	
Skills	Software: Microsoft Office Suite, Matlab-Simulink, Proteas, Atmel Studio, MPLAB Hardware: AVR and PIC Microcontrollers, Aduino, Raspberry Pi, FPGA Spartan Series Other: Google Search, Logical Reasoning, Problem solving	
Position of Responsibility	Anwesha (Annual Techno-Cultural Fest of IIT Patna)	Present
	<i>Technical Coordinator</i>	
	Sparkonics (Club of Electrical Engineers IIT Patna)	Present
	<i>Project Manger</i>	
Achievements	<ul style="list-style-type: none">Secured a rank in top 0.5% of candidates in IIT entrance examScored A+ Grade in electronics based labsWon first prize in electronic puzzle based treasure hunt event during Anwesha15.Organized Electro quiz in Anweha15	
Interests and Activities	<ul style="list-style-type: none">Learning about the concept and future of Internet of ThingsWorking as RJ in college radioMovies, Music	