



AMAN PRAKASH SINGH

ELECTRICAL ENGINEERING

B.TECH (3RD YEAR)

INDIAN INSTITUTE OF TECHNOLOGY PATNA

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I aspire to be part of a team, wherein I can put my efforts and play a significant role in the progress of the undergoing projects and enhance my skills.

Educational Qualifications

Education Details	Board/University	Institute	CPI/%	Year
B.Tech (till 4th sem)	IIT Patna	IIT Patna	7.8	2013-17
Intermediate	CBSE	S T Paul School, Sasaram	91%	2013
Matriculation	CBSE	D A V Public School, Sasaram	10	2011

Scholastic Achievements

- Was amongst the top 0.8 percentile in IIT-JEE entrance exam
- Was amongst the top 3 percentile in CBSE intermediate exam
- Institute merit-cum-means scholarship holder since 2014
- Was amongst top 3.5 percentile in International Mathematics Olympiad in class 10

Interests

- Digital & Analog Electronics
- Signal Processing
- Communication Systems
- VLSI

Although these are my major areas of interest, I am also interested in trying out other research areas.

Relevant Courses

Digital Circuits And Microprocessors(+lab)	Introduction to VLSI Design*	Control Systems*(+lab)
Signals and System	Digital Signal Processing*	Introduction to Computing (C language)
Analog Integrated Circuits(+lab)	Electrical Power Systems*	Probability and Statistics
Principle of Communication(+lab*)	Electrical Machines	Linear Algebra
Semiconductor Devices And Circuits	Partial differential equations	Numerical methods
Electronic Instrumentation*(+lab)	Complex numbers	Data Structures and Algorithms (+lab)
* To be completed in November 2015		

Projects

Maglev Train implementation using electromagnetic suspension technique	Guide : Dr. R K Behra	(July-2015)
Motion Based Object Tracking using Matlab	Guide : Dr. Mahesh Kolekar	(Dec-2014)
Designed 4 bit Digital Calculator, capable of basic arithmetic operations	Guide : Dr. Y K Singh	(Nov-2014)
Designed a traffic control system using Programming Logic Control.	Guide : Dr. Ahmed Ali	(Sep-2015)

Industrial Experience

Summer training at **C & S electric ltd.** (May-June 2015)

- Learnt the basics about manufacturing of various electrical equipment used in power generation, distribution, control, protection etc.

Software Skills

- Software Skills: ADS, SIMULINK, PSPICE, XILINX IDE
- Programming Skills : C, JAVA, Verilog HDL, MATLAB
- Microcontroller used: Arduino Uno

Extracurricular Activities

- Member of the sponsorship-committee for ANWESHA 2014 and 2015, the techno-cultural fest of IIT Patna.
- Organizer of Robotic events at annual festivals ANWESHA 2015 and CELESTA 2014, IIT Patna
- Won 2nd prize in wall-e, a robotic event in Celesta, IIT PATNA.
-Object detection and placement using microcontroller
- Participated in various institute robotics competitions like robowars, robotic arm etc.
- Regular in debate competitions and seminars in college as well as in school life. Hobbies include playing chess, Sudoku, internet surfing
- Member of Sparkonics - The Electrical engineer's society, IIT Patna