

# Resume

## Rishabh Raj

B.E in Electrical Engineering  
Junior Undergraduate  
University Institute of Engineering  
Chandigarh University  
Mohali Punjab  
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### Education

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Course	Institute	Percentage	Year
Bachelor of Engineering	Chandigarh University	8.91 CGPA upto 3rd sem	2016-2017
12th	Birla Vidya Mandir Nainital	90.80	2014
10th	Countrywide Public School Bageshwar	10.0 CGPA	2012

### Area of Interests

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- Renewable Energy Projects
- Optimizaiton Techniques
- Robotics
- Automation
- Smart Grid
- Zeal to learn new softwares like ETAP, Microsoft Robotics Studio, Autocad Eagle, Ansys Electromagnetics Suite
- Innovative electrical and electronics projects

### Project and Competitons

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- Secured 2nd rank in eYantra Robotics Competition finals held at IIT bombay 2016 organised by MHRD and IIT Bombay in March 2017
- Ongoing work over the patent of Resistive Blower Protection and would be filed by end of April 2017
- Research paper published on Home Automation using 8051 and Bluetooth module
- Made a project on Highway Street lights saving through PIR sensor
- Made a Battery Eliminator Circuit(BEC) 220V to 5-12V variable
- Secured 1st position in Abdul Kalam Innovation Conclave competition in our department in our university 2017
- Has attended and is continuously attending various certified IEEE Webinars on topics like SMART GRID and others
- Qualified for national level home automation competition at Hyderabad, selected at regional level organized by Skyfi labs, Roboversity, an alumnus of IIT Kanpur 2015-16

## Research Experience / Training

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- Attended 2 days workshop on home automation by Skyfi labs, Roboversity
- Has attended 1(one) month of institutional training in May-June(29th May-24th June) 2016 on electronics and also successfully made a 5 V dc regulator

## Technical Skills

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- Comfortable and experienced of using both Linux (Ubuntu) and windows
- Has a good experience in programming in
  - C
  - C++ C embedded
  - Python
  - Image Processing in NumPy and OpenCV
- Experience in using numerical computation software: MATLAB
- Comfortable and experienced in LABVIEW by NI
- Experience of software like:
  - AutoCAD 2011
  - Proteus Design suite 11.0
  - NI Multisim
  - Google sketchup 2016

## Co-curricular Activities

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- Attending Seminars and Webinars
- Workshops
- Intercollege level Educational Competitions

## Extra Co-curricular Activities

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- Member of International Association of Engineers (IAENG)
- Successfully coordinated national science day competitions 2016 in our university
- Successfully coordinated tech fest of our university 2016