

Resume

Rishabh Raj

B.E in Electrical Engineering
Junior Undergraduate
University Institute of Engineering
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Education

| 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

- 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

- 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

- 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

- 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