

# Munish

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## EDUCATION

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### B.Tech Electrical Engineering

2015-2019

*IIT Mandi*

Current Cumulative GPA:7.25

### Class XII ISC

2014

*Sacred Heart Senior Secondary School, Sidhpur, Dharamshala, H.P*

Percentage Score: 90.8

### Class X ICSE

2012

*Mount Carmel School, Gaggal, Dharamshala, H.P*

Percentage Score: 90.0

## PROJECTS

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### Solar System Simulation

current

*SCRI Club, IIT MANDI*

This is a project by Society for collaborative research and innovation, IIT Mandi, which aims at simulating our solar system including all the number of bodies present in it. Also

got a consolation prize in IEEE PEC at DTU, New Delhi

USING: Programming in C and GNU Octave.

### Thermoelectric Power Generator

April, 2016

*IEEE Student Chapter and Aavishkar, IIT MANDI*

Developed a thermoelectric power generator which made use of fire and peltier modules in order to generate electricity. Energy enough to charge a smartphone was produced using this setup. Also got a consolation prize in IEEE PES at DTU, New Delhi

USED: Arduino, voltage regulators, peltier modules and IR sensors.

### Smart Shoe For Blind

Dec., 2015

*4th Inter IIT Tech Meet, IIT Mandi*

Developed an IOT based smart shoe for the blind which assisted blind people to walk hassle-free without bumping into things around them.

USED: Raspberry pi, IR sensors, wifi shield, LED's and alarms.

## MINI PROJECTS

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### Microbial Fuel Cell

Developed a microbial fuel cell which could use waste organic matter to generate electricity at the places where other renewable energy sources cannot be utilized.

USED: Electrodes, LEDs, Fuel cell, etc.

## SKILLS

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<i>Operating Systems</i>	WINDOWS,LINUX
<i>Tools</i>	RASPBERRY PI,ARDUINO,BEAGLE-BONE,ANDROID STUDIO
<i>Programming Languages</i>	C,C++, JAVA
<i>Web Development</i>	HTML,CSS
<i>Softwares</i>	MATLAB, L <sup>A</sup> T <sub>E</sub> X, XILINX, PROTEUS,GNU OCTAVE
<i>Personal</i>	TEAM MANAGEMENT,TEAM LEADERSHIP, ANALYTICAL SKILLS

## EXTRACURRICULAR

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Core Member,Robotronics Club,IIT MANDI  
Core Member,SCRI Club,IIT MANDI  
Core Member,EXODIA-Annual Cultural and Tech fest,IIT MANDI  
Core Member,Rann-Neeti Annual Sport Fest,IIT MANDI  
Member,Programming Club,IIT MANDI