

Gaurav Wadhwa
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Experience

1 Research Assistant at Fablab Cept Ahmedabad

October 2017- Present

Roles and Responsibilities

- 1 Conducting machine training for cept students
- 2 Doing regular maintenance of 3d printer and laser cutting machine
- 3 Handling daily activities as inventory management and helping students in CNC, laser cutting work in lab
- 4 Involvement in research projects of lab, Recent – Development of Delta Clay Printer

2 Perusing Fab Academy 2018

Jan 2018- Present

This is six-month digital fabrication course conducted through fab foundation, cover all modules of prototyping with digital fabrication

Academic qualification:

Program	Institute	Aggregate
B.Tech (Honors) Mechanical Engineering 2013-2017	G.B Pant Engineering College Pauri Garhwal, Uttarakhand	77.65%
XII	Adarsh Bal Niketan school at IIT Roorkee Campus	82.8%
X	Adarsh Bal Niketan school at IIT Roorkee campus	85.5%

Technical skills:

- 1 Designing skills : Solid works, fusion 360, Autocad
- 2 Machine handling : Operations on shopbot CNC, laser cutting machine, PCB Micro Milling Machine, Vinyl cutting.
- 3 electronics PCB designing in eagle, fabrication of Board,
- 4 Software language : Basic C++, Arduino Programing .
- 5 Rapid prototyping : Operating on FDM 3d printer , I am 3d printers

Strengths:

- 1 Problem solving approach.
- 2 creative thinking
- 3 Good team player
- 4 Self-motivated

5 Management skills

Internships:

- 1 Rapid Manufacturing Lab IIT Bombay
December 2015 – January 2016
Worked on additive and subtractive manufacturing process.
- 2 Fusion Industries Ltd. Bhagwanpur, Roorkee
June 2016 - July 2016
Gain exposure of various departments in industry.

Projects Work :

Individual projects

- 1 Sole Cleaning Machine : Machine use for cleaning shoe sole ,have application in food industries and offices
- 2 Waste heat utilization : Water heating system uses heat of gas burner, have application in mess from gas burner
- 3 Manual robot : Manual robot playing soccer.

Group projects

- 1 Effi-cycle , SAE India : Effi-cycle is electric and paddle power three wheeler bicycle , worked as a team leader, Responsible for managing all activities and designing work
- 2 Load Carrier : Used for carrying load in hilly areas , application of static and dynamic Balancing of load.
- 3 Designing and development : Project done during internship in RM labs at IIT Bombay , of extruder for 3d printer
- 4 Wind and electric power : Designing and fabrication of body of electric Vehicle, Capable of vehicle generating electricity in motion through wind.

Responsibilities :

- 1 Worked as President of GBPEC college Innovation cell.
- 2 Worked as a team leader in EFFI-CYCLE 2015 competition of SAE India.
- 3 Worked as hostel secretary at Rudra Hostel 2014.
- 4 Worked as coordinator at Energy Conservation Workshop.

Personal details:

Father's Name-Ramesh Wadhwa
Address: H.NO 215 Prem Kunj Roorkee.
Date of birth: 21/11/1994
Languages Known: English, Hindi