

Hetal Verma

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EDUCATION

B.tech in Electrical Engineering

Bharti Vidhyapeeth College of Engineering, Pune	8.5/10(CGPA)	Jan 2019
12th grade		
Aditya Birla Public School, Renukoot	89.6%	Mar 2016
10th grade		
Aditya Birla Public School, Renukoot	93.1%	Mar 2014

INTERNSHIPS

1) NECAS Automation Pvt. Ltd., Gurugram

Independent solution provider for products and services to industrial and process technology users. Worked on a project for Toshiba on Distributed Control System.

2) Grasim Industries Chemical Unit, Renukoot

India's largest private sector company with a revenue of Rs.328 Billion and a net profit of Rs.17 Billion.

- Generation of Electrical Energy in an industry
- Transmission of Electrical Energy in Plant as well as the Housing Sector of the company.

3) HappyShappy - Campus Ambassador

Fastest growing social media platform where users see different ideas like food, travel etc and connect to vendors who can help them further.

- How to market a product smartly with latest tech tools
- Improve communication skills and leadership quality

PROJECTS

- **Design of Electromagnet from Electromagnetic Launcher** – Designed a powerful electromagnet on ANSYS software which can be used in various applications like electromagnetic launcher, lifts etc.
- **Human Machine Interface** – Created a Virtual Object in Virtual Environment controlled solely by a sensor manually
- **Soft Start Circuit** – Voltage regulation to protect devices from inrush of high starting current.
- **Tesla Tower** – With the basic principle of Mutual Induction created a small working model to show electricity generation.

PAPERS

- Published a research paper “**An Intelligent Human-Machine Interface for Robotics Control**” in an International Research Journal of Engineering and Technology (**IRJET**) in 2019.
- A review paper under process of publication on “**Design and Simulation of Electromagnet on ANSYS Maxwell Software**” in an International Journal of Information Technology and Electrical Engineering (**ITEE**) in 2020.

CERTIFICATIONS

- **Short Term Training Program (2020)** in **Artificial Intelligence and Machine Learning Using Python** from Finland Labs in association with National Social Summit - **IIT Roorkee**.
- **Coursera Certifications** for **Getting started with Python & Python Data Structures** from **University of Michigan**.
- **Coursera Certification** for **Web Design for Everybody - Basics of Web Development & Coding Specialization** from **University of Michigan**.
- Programming Techniques using **C & C++** by **Hewlett Packard**.
- Statement of accomplishment for **Introduction to Python & Introduction to R Language** by **DataCamp**.
- Secured second position in **Smart City Planning Competition** conducted by **Vishwakarma University in association with Wilo, Pune**.
- Secured first position in **Project Exhibition** held in Electrical Department in **BV(DU)COEP**.
- Actively Participated in many workshops on **Virtual Reality, Embedded Systems**.
- Participated in Ideation Workshops as a part of **E-Summit** by **Entrepreneurship Development Cell, BVUCOEP**.

POSITION OF RESPONSIBILITY

- Anchoring Head of Association of Students of Electrical Engineering
- Founding Member of MALANG (Official Art Circle of our College)

TECHNICAL SKILLS

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|---------------------------------------|-----------------|
| ● HTML 5 | → ◆ ◆ ◆ ◆ ◆ ◆ |
| ● CSS 3 | → ◆ ◆ ◆ ◆ ◆ ◆ |
| ● UXpin | → ◆ ◆ ◆ ◆ ◆ |
| ● Tableau | → ◆ ◆ ◆ ◆ |
| ● C | → ◆ ◆ ◆ ◆ |
| ● Python | → ◆ ◆ ◆ ◆ |
| ● Artificial Intelligence | → ◆ ◆ ◆ ◆ |
| ● Machine Learning | → ◆ ◆ ◆ ◆ |
| ● MySQL | → ◆ ◆ ◆ ◆ ◆ |
| ● DCS (Distributed Control System) | → ◆ ◆ ◆ ◆ ◆ ◆ |
| ● PLC (Programmable Logic Controller) | → ◆ ◆ ◆ ◆ ◆ ◆ ◆ |
| ● MS-Office | → ◆ ◆ ◆ ◆ ◆ ◆ ◆ |