



# Paras Malik

## Associate Product Developer

Mechanical and Automation Engineer with experience in product concept and design incorporating a variety of manufacturing processes and materials. Willing To continue my career in a professional work driven organization that will utilize my skills to benefit mutual growth and success while fulfilling organizational goals.

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## WORK EXPERIENCE

### Associate Product Developer Vertonics Innovations Pvt. Ltd.

06/2019 – Present

Delhi, India

#### Achievements/Tasks

- Created design layout and generated 3-D CAD parts, assembly & installation models S.T.R.E.A.M. based Educational Kit prototypes for k-12 using Solid works. ↗
- Generate cost estimates and purchase order technical requirements for electrical equipment procurement.
- Worked closely with prototype development using 3D Printer and Laser Cutting Machine.
- Performed conceptual design and trade studies based on current market requirements.
- Developed digital learning kit based on Augmented Reality using Unity 3D ↗

Contact: Kumar Ankur – [kumarankur0210@gmail.com](mailto:kumarankur0210@gmail.com)

## PERSONAL PROJECTS

### 3D Printer - Design and Fabrication (Major)

- In this project, I had explored the various aluminum profiles with different aluminum composition to get the best suitable profiling.
- Fabricated the 3D printer nozzle assembly along with the Micro-controller(Arduino Mega) and ramp connections.

### Home Automation System (Minor)

- In this project, we have designed and implemented the complete home automation system.
- Tested the model by implementing it into my own home.

### Gearless power transmission system (In House)

- In this project, I am responsible for machining the mild steel rod using a lathe machine to match the size of the wooden disk.
- Welded the nuts at the end of rods to make a pivot joint for easy movement of rods for angular power transmission.

### Study on magnet assisted power steering system

- In this project, we have formulated the concept of power-steer the car based on electromagnetic levitation to reduce driver fatigue.

## EDUCATION

### B.Tech. in Mechanical & Automation Engineering

Amity School Of Engineering & Technology  
(GGSIU)

2015 – 2019

Secured :75%

### AISSCE

Gagan Bharti Senior Secondary School (CBSE)

2014 – 2015

Secured: 85.5%

### AISSE

Gagan Bharti Senior Secondary School (CBSE)

2012 – 2013

Secured: 76%

## SKILLS

Solid Works

Solid Works Composer

AutoCAD

Unity 3D

Cura

C++

Python Basics

SQL

3D Printing

Microsoft Office

3D Printing

Augmented Reality

Rapid Prototyping

Laser Cutting

Product Development

IOT

Tableau

## CERTIFICATES

### Master Solidworks ↗

LinkedIn Learning

### Master Simulation and Structural Analysis for SOLIDWORKS

LinkedIn Learning

### Unity 2D Developer ↗

LinkedIn Learning

### Essential of C++ ↗

IIT Bombay

## ORGANIZATIONS

### Northern Railways - Internship (06/2018 – 07/2018)

Pursued 6 weeks of Training at Northern Railways where I was getting familiarized with the preventive maintenance activities for ICF and LHB train coaches.

### KPMG- Virtual Internship Program (06/2020 – 07/2020)

Pursued 4 weeks Virtual Internship Program where I learned the core fundamentals of data cleaning and data visualization using tableau.

## LANGUAGES

English

Professional Working Proficiency

Hindi

Native or Bilingual Proficiency

Punjabi

Limited Working Proficiency

## INTERESTS

Technology

Cycling

Cooking