

**ABHILASH VERMA**

☎ 9982057102    ✉ abhilashverma622@gmail.com    📍 Guna

I am quick learner and hope to achieve my goals through sheer hard work. I have a thirst for knowledge and like to develop my skills that can take me to a more advanced level.

**EDUCATION**

2015 - 2017

**Master's in Mechanical Engineering, Applied Mechanics** | GPA:8.55  
Jadavpur University, Kolkata

2011 - 2015

**Bachelor of Technology (Honours), Mechanical Engineering** | GPA:8.6  
Rajasthan Technical University, Kota

**EXPERIENCE**

Jul 2017

**Program Manager/ Faculty (Mathematics)**

Feb 2020

Avanti Learning Centre Madhya Pradesh

My Key Responsibilities includes:

- Managing Avanti Centre's and School Partnership in MP.
- Teaching JEE, Foundation & NTSE Level Mathematics to students of Class 9 -12.
- Also involved in expansion.
- Planning activities for holistic development of students.
- Content creation of jumpstart.

Feb 2020

**Content Creator - Video (Mathematics)**

May 2020

Testbook.com Navi Mumbai

- Started Defence Category
- Taking Live Lectures of Mathematics for Defence examinations like NDA and Air force.
- Content & Curriculum Development for Defence Category.

Nov 2019

**Plus Educator ( Mathematics)**

Oct 2020

Unacademy - Remote

- Taking live lectures for Foundation/NTSE.
- Content Creation

Jan 2021

**Online Educator - Mathematics**

Present

Tudos Learning App - Remote

Taking Live Lectures of Mathematics - CBSE, JEE & Foundation

Jun 2016

**Guest Faculty (Part Time)**

Mar 2017

Netaji Subhash Engineering College Garia, Kolkata

- Taught Engineering Mechanics to the first-year students.

## PROJECT

Sep 2016  
Mar 2017

### Development of Finite Element Code for 4 nodes & 8 nodes isoparametric shell elements

- The simulation code is written in MATLAB.
- The code can be used to solve a variety of dynamics problems based on shell and plate elements.
- Validation is done by comparing the MATLAB results with ANSYS results.

Jan 2016  
Feb 2016

### Simulation of n-link compound pendulum

The governing differential equation for n-link compound pendulum is derived and then solved using ode solver in MATLAB. Also, animation of the same is done.

## ACCOMPLISHMENTS

- GATE Score(Mechanical Engineering) 2017 : 701  
Top 1.5 % of all the candidates who appeared in the examination.
- 2016-2017: Volunteering for Feeding India as Hunger Hero which works to eradicate hunger and malnutrition.
- 2015: Worked as President of ISHRAE (Indian Society of Heating, Refrigerating and Air-Conditioning Engineers) – Poornima chapter, Jaipur (2014-15).
- 2015: Presented paper on “Thermoacoustic Refrigeration” in National Conference conducted by ISHRAE.
- 2012 – 2013: Worked as academics mentor to first year students.
- 2012 – 2015: Active in theatre. Acts in different plays/dramas and also got the opportunity to play the character of Marcus Brutus in famous play “The tragedy of Julius Caesar”.
- 2009: Finalist in Airtel – Sitaron ki Khoj (State level (Bihar, Jharkhand) Dance competition).
- 2008: Distinction in Macmillan Mathematics Olympiad.
- 2007-2015: Won various dance competition at inter school and inter college level. Also won DNA dance competition in 2008 as freestyler.

## INTEREST

- Dancing
- Acting
- Reading romantic novels
- Watching movies