

Abhilash Verma

*PG Final year
Masters in Mechanical Engineering
Jadavpur University, Kolkata*

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Objective

To be associated with an institute that provides career development opportunities with the twin benefits of job satisfaction and steady paced professional growth.

Academic Details

<i>Current 2015-2017 (Expected)</i>	M.E in Mechanical Engineering <i>Jadavpur University, Kolkata</i> Specialization: Applied Mechanics Cumulative GPA: 8.14/10.0
<i>2011-2015</i>	B.Tech(Hons.) in Mechanical Engineering <i>Rajasthan Technical University</i> Percentage: 78.49% Silver medalist in final year
<i>2011</i>	CBSE All India Senior School Certificate Examination <i>Delhi Public School, Ranchi</i> Percentage: 83.4 % (Mathematics: 95%, Physics: 89%)
<i>2009</i>	CBSE All India Secondary School Examination <i>Shradhanand Bal Mandir, Ranchi</i> Percentage: 90.6%

GATE 2017 Score – 701

Summer Training

2014: Training at Central Workshop, South Eastern Coalfields Limited (a subsidiary of Coal India Limited), Korba, and Chhattisgarh. This Training is all about understanding the functioning of workshop and operations which are performed here like assembly and disassembly of engines.

2013: Short term training programme on “Recent Advancement of Renewable Energy” at MANIT, Bhopal.

Projects

- i. **Development of finite element code for 4 node and 8 node isoparametric shell element:** The simulation code is written in MATLAB. The code can be used to solve variety of dynamics problems based on shell and plate elements. Validation is done by comparing the MATLAB results with ANSYS results.
- ii. **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.
- iii. **Heat Exchanger Solver** using effectiveness and NTU method.
- iv. **Hotel Management System:** The code is written in C. This project aims at controlling the various operations in a hotel and thus eases the process of acquiring the information and providing services.

Extracurricular Activities

2016: 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 “Thermo acoustic Refrigeration” in National Conference conducted by ISHRAE.

2014: Volunteering for Pratham Rajasthan – teaching Mathematics and Science to underprivileged students of class 1 to 7.

2013 - 2015: Coordinated various events in college fest and department functions like robo race, spell-b, roadies etc.

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.

Hobbies

Dancing (Bollywood and Salsa)

Acting

Watching movies

Reading romantic novels.