

# Deep Bakshi

Bangalore, Karnataka.

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9574723073

## Academic Details

Degree / Grade	Institute	CPI / (%)	Year
PhD (Aerospace)	IISc, Bangalore	-	2021-Present
M.Tech (Mechanical)	IIT Gandhinagar	8.86	2017-'19
B.E (Mechanical)	Birla VishwaKarma Mahavidhyalaya	9.12	2013-'17
12 <sup>th</sup>	R.P.T.P Anand	85.6	2012-'13
10 <sup>th</sup>	St Anne's High School	89	2010-'11

## Professional Experience

- Cognizant Technology Solutions: August 2019 – September 2020.
  - Certified Full Stack Developer.

## Projects

- Role of Surface Morphology on Mechanical Properties, IIT Gandhinagar, May'18- June'19.
  - Objective: Studying the different irregular structure having high strength and understanding the effect of Morphology.
  - Generating surface for irregular structure difficult to model through Creo, using MATLAB and using statistics to predict the optimum model.
  - Analysing the strength of model obtained from MATLAB in Abaqus software using Finite Element Method.
- Design and prototype testing of Heat Pump Water Heater, BVM, Jan'17-May'17.
  - Study of reversed refrigeration cycle and design and building of prototype for obtaining hot water using reversed refrigeration cycle and test were carried out on prototype.

## Teaching Training

- Summer School- Indian Institute of Technology Gandhinagar, June'16-July'16
- Shortlisted for two consecutive courses: Thermodynamics, Fluid Mechanics.
- Objective: Combined batch of professor and students from elite college across country joined to dwell upon making study interesting for students.

## Achievements

- Selected for Early PhD Program in IIT Madras in 2017.
- **Department Rank 1:** Consistently maintained department rank 1 over the last 3 years at B.V.M. Received Silver medal and Gold medal and Merit prize for 3 consecutive years for the same.
- Qualified GATE 2017 in mechanical discipline with GATE score 708/1000 in the first attempt.
- One of the toppers of GateForum VV Nagar branch.
- Merit prize by Pankaj Joshi, Director of GETCO, for successfully getting into IIT.
- Merit prize for scoring highest in I.C.Engines subject at 3rd level.
- Awarded CVM scholarship for being in top 20 students of 12th class.
- Awarded for the highest score in Chemistry and Physics subject in 3rd semester in R.P.T.P. by Dr.C.L.Patel (Chairman of C.V.M institute).
- Awarded by G.E.B. cooperative society for excellent academic performance in 10+2.
- Ranked 1st in 10th class all over Deesa

## Skill Summary

- Modelling: AutoCAD (2D Drafting) , Creo (PTC certified)
- Programming: MATLAB, JavaScript, Core Java, Advanced Java
- Simulation tools: Abaqus
- Languages: English, Hindi, Gujarati, Punjabi

### **Extra-Curricular Activities**

- Participated in Cognizant Outreach program, 'Jakkur Kere Utsav' in Bangalore.
- Representative of GateForum for BVM college, fetch students for GATE 17 batch in VV Nagar branch.
- Member of Tu Try Toh Kar – an online store to cater the miscellaneous needs of the IITGN hostellers.
- Swachh Bharat Summer Internship – carried out swachhata campaign in Basan and Palaj village.
- Participated in winter carnation in IIT Gandhinagar 2018.
- Winner in Youth Parliament event of Udaan 2016
- Consecutive Winner in the Autoexpo event in udaan event of B.V.M college for 2years. Participated in Group Discussion event in MS, Sakalchand, GCET, B.V.M college. Qualified the screening test of Times Public Speaking organized by Torrent Company and participated in succeeding round held at Baroda.

### **Positions of Responsibility**

- Member of parking committee Birla Vishvakarma Mahavidyalaya.
- Headed parking committee to innovate parking arrangement of college.
- Member of Techno Aptitude Committee, worked on framing aptitude paper and their evaluations.
- Anchor, XITIJ-2016 (Zonal level GTU Techfest) Volunteer, Udaan-2016 (Techfest of BVM).

### **Strength**

- Adapt well to change in environment.
- Ability to work well under pressure.
- Work effectively with diverse groups of people.

### **Interest and Hobbies**

- Stock Market
- Cricket
- Listening to music