

Hitanshu Saini

3rd Year Undergraduate
Department of Aerospace Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2017 - Present	B.Tech	Indian Institute of Technology, Kanpur	7.3/10
2017	CBSE(XII)	Lal Bahadur Shastri Sr.Sec. School, Kota	93.6%
2015	CBSE(X)	Lord Mahavira Academy, Saharanpur	10/10

Scholastic Achievements

- Secured **95.87** percentile in **JEE Advanced 2017** among the 1.72 Lakh shortlisted candidates
- Secured **99.49** percentile in **JEE Mains 2017** among the 7.86 Lakh shortlisted candidates
- Secured **AIR 221** in **NEST(National Entrance Screening Test) 2017** among the 67 Thousand shortlisted candidates

Key Projects

- Shot-Gun (TA201 Course Project)** (Jan'19- Apr'19)
Mentor: **Dr. Kantesh Balani**, Department of Material Science and Engineering
 - Objective:** Conceptualize the **working mechanism** of a gun that could shoot marble on the press of a trigger
 - Method:** **Acquired** first hand experience with **welding, metal cutting, brazing** and other manufacturing processes
 - Fabricated** a gun having a **barrel, scope, recoil pad** and a **spring-induced** loading mechanism controlled by a **trigger**
 - Result:** Awarded **2nd best project** among **65+** projects in a batch of **400+** students for an innovative approach
- Aerodynamics of a Frisbee(AE-211 Term Paper)** (Jan'19- Apr'19)
Mentor: **Prof. Navrose**, Department of Aerospace Engineering
 - Objective:** **Analyse** the effect of pitch angle, initial velocity, wind direction, mass and geometry of the disc on its trajectory
 - Method:** **Experimented** with a frisbee disc to **observe** and **theorize** the motion of the disc through laws of physics
 - Studied the **past research** done on the topic and **summarized** the entire research into a term paper in a group of 6 people
 - Result:** Presented the term paper with a **6-member team** in front of a batch of **60** students

Technical Skills

- Data Mining and Knowledge Discovery:** Using Machine Learning algorithms in R and Python
- 3-D Surface modelling:** Using Solidworks and Blender
- Editing and graphic design:** Using Adobe Creative suit

Positions of Responsibility

- Company Coordinator, Student Placement Office** (Aug'18-Mar'19)
 - Assisted the internship coordinator in conduction of shortlisting tests and interviews for summer internship and placements
 - Worked as **first** Person of Contact for company officials during placement interviews for 15+ companies
 - Supervised 20+ volunteers in coordination with a **4-tier** team of **100+** members leading to a record 83% ug placement
- Senior Executive, Public Relations, Techkriti'19** (Aug'18-Mar'19)
 - Contributed to a database of prominent personalities to be invited as guests and performing artists for the festival
 - Managed the logistics and hospitality of artists such as **Zakir Khan, Nucleya** and **Benny Dayal**
 - Supervised 5+ volunteers in coordination with a **3-tier** team of **50+** members leading to an efficient conduction of events

Relevant Courses

Probability and Statistics	Introduction to Electronics
Fundamentals of Computing	Linear algebra and Differential Equations

Extra-Curricular Activities

- Cultural:** Stood **First** in Group Dance competition in **Galaxy'18**, the inter-hall cultural competition of IIT Kanpur
- Quizzing:** Qualified regional round in **CBSE Heritage Quiz'14** among **18** teams
- Disciplined:** Trained in **discipline** under **NCC** for one year, under the authority of Ministry of Defence, Govt of India
- Sports:** Played in intra-hall **Cricket** Championship, player of **Badminton**, and a good **swimmer**
- Social:** Worked with the **Animal Welfare Cell** of IIT Kanpur to provide water to birds and animals in summer heat