

## Contact

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## Top Skills

C  
C++  
Autodesk Inventor

## Languages

English (Native or Bilingual)  
Ladakhi (Native or Bilingual)  
German (Limited Working)

# Padma Tashi

IIT Kanpur | Aerospace  
Kanpur Nagar

## Experience

Fabheads Automation Pvt. Ltd  
Structural Design Intern  
May 2019 - July 2019 (3 months)  
Chennai, Tamil Nadu, India

- Analyzed the deformation and stress into the model (Wing) from structural loads and constraints on Fusion 360.
- Fabricated 2 wings of same weight with different internal configuration by 3D printing and composite material fabrication technique.
- Configured the experimental setup and carried out experiments to compare the bending and torsional strength.
- Carried out simple cost analysis of both the configuration.

Aeromodelling Club IIT Kanpur  
2 years 1 month

Coordinator  
April 2018 - April 2019 (1 year 1 month)  
IIT Kanpur

- Organised a summer programme for the students of freshmen year to get hands on experience on Aeromodelling.
- Responsible to the budget of INR 200000 and maintaining accounting records.
- Organised various workshops for the freshers to help them get hands on experience on aeromodelling.
- Leded teams to various competitions such as Technoxian held in Delhi and Techfest held at IITB.
- Deployed detailed lecture modules focusing on the basics of aircraft design and avionics.
- Delivered a lecture on aeromodelling in HBTU Kanpur.
- Introduced a new event 'Mama Bug' in Takneek (Intra college technical competition).

Secretary  
April 2017 - March 2018 (1 year)

- Guided freshmen students in developing skills like RC flying, aerial vehicle design and fabrication.
- Mentored in Boeing National Aeromodelling Festival.
- Organized various workshops and lectures on flight mechanics, aerodynamics and avionics.
- Worked to cultivate Aeromodelling as a hobby
- Organized fun sessions, flying sessions and competitions.
- Proposed ideas on problem statements and participated in various competitions.

### Society of Aerospace Engineers, IITK

#### Senior Executive

July 2017 - March 2018 (9 months)

IIT Kanpur

- Organised freshers and departmental lab visits for the freshers and farewell for the passing out batch.
- Organised educational trips to HAL Kanpur for the students of Aerospace Department.
- Proposed the idea for drafting constitution for the Society of Aerospace Engineering and worked on it.
- Organised introductory workshops of Fusion360, Ansys, MATLAB for the students of Aerospace dept.

### Boeing

#### Mentor, National Aeromodelling Festival

November 2017 - November 2017 (1 month)

IIT Kanpur

Mentored students from various colleges in fabricating a trainer aircraft in a two day long workshop.

### Techkriti, Indian Institute of Technology Kanpur

#### Junior Executive Marketing

January 2017 - March 2017 (3 months)

Indian Institute of Technology Kanpur

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## Education

### Indian Institute of Technology, Kanpur

Bachelor of Technology - BTech, Aerospace Engineering · (2016 - 2020)

Sainik School Nagrota Jammu and Kashmir  
High School · (2008 - 2015)