



Saurabh Meena
Mechanical Engineering
Indian Institute of Technology Bombay

160100050
B.Tech.
Male
DOB: 17/11/1999

SCHOLASTIC ACHIEVEMENTS

- Awarded **Kishore Vaigyanik Protsahan Yojana (KVPY)** fellowship by Govt of India (2015)
- Recipient of the prestigious **National Talent Search Examination (NTSE)** scholarship (2014)
- Attended a 3-day **science camp**, organized by **IISc**, **IISER Kolkata** and dept of Science, India (2014)

INTERNSHIP AND INTERNATIONAL EXPOSURE

Micro-Fluidics Summer Intern | University of Alberta, Canada (May'19-July'19)

Guides: Dr. Prashant Waghmare, Dr. Ravi Kant Upadhyay, iSSELab University of Alberta, Edmonton

- Studied the effect of the environment on the **stability** of the Superhydrophobic surfaces using **DSA 100**
- Examined **SFT** of water upon interaction with solvent vapors using pendant drop experiments
- Prepared** and surface characterized **superhydrophobic surfaces** made of copper sheet

Product Developer | Toppr (May'18-July'18)

Toppr is an India's largest EdTech platform, personalizing K-12 education

- Ensured the **highest quality content**, engaged in rigorous error correction & verification of source material
- Conducted **online live videos as a physics expertise** for the continuous pace of students

KEY PROJECTS

Modelling of Laser Surface Cladding | Course Project (Aug'18-Nov'18)

Guide: Prof Amber Shrivastava, Dept. of Mechanical Engineering, IIT Bombay

- Developed a model using ABAQUS for laser cladding and analysing the various effecting parameters
- Innovated a new way to replicate the efficacious deflux method of the move heat source

LTA Course Planning | Project (Dec'17)

Guide Prof. Rajkumar S. Pant, Department of Aerospace Engineering, IIT Bombay

- Awarded **Letter of Recommendation** for **exemplary performance** shown during the project
- Aided the professor for content development** of the course Lighter than air systems
- Helped in creating short video clips from existing long video lectures, making it **more interesting**

Simulation of Submarine Models | Project (Jan'18-April'18)

Guide: Prof Abhilash Chandy, Dept. of Mechanical Engineering, IIT Bombay

- Developed model on Rhino3D for simulation of submarine models on StarCCM+ software package
- Experimented on pre-fabricated submarine models in laboratory for power calculations
- Developed a new model according to ease of fabrication, low cost, low weight, and sustainability

POSITIONS OF RESPONSIBILITY

Coordinator | Hospitality and Public Relations | Mood Indigo, IIT Bombay (Apr'17-Dec'17)

Asia's Largest College Cultural Festival with a footfall of 139,000+ people and 200+ events

- Managed hospitality demands of **139k+ visitors** & negotiated **marketing deals** working in team of **15+ coordinators**

Coordinator | Public & Corporate Relations | Entrepreneurship Cell, IIT Bombay (Aug'17-Jan'18)

The Entrepreneurship Cell is IIT Bombay's entrepreneurship promoting student body

- Responsible as a sole point of contact for **70+ CRs** & played an integral part in organizing workshops

EXTRACURRICULARS

Social	Scout The Bharat Scouts and Guides (May'10-Jul'14)
	<ul style="list-style-type: none"> Represented India in 2nd National Scout Jamboree at Chitwan, Nepal Awarded with Rajya Puruskar from the Governor of Rajasthan Mrs. Margaret Alva
	Volunteer Cured Techfest, IIT Bombay (Oct'16)
	Helped in organizing CURED: a diabetes awareness campaign
Sports	Awarded First Prize in Skiing Slalom Race held at IISM Gulmarg (2019)
	Part of Institute Athletics team as a long-distance runner (2018)
	Trained for 1 year under National Sports Organization Athletics (2017)
Others	Awarded Certified Marketing Analytics Practitioner Certification (2018)
	Completed the Finance Bootcamp covering topics of Finance such as debt, equity, etc (2018)
	Secured First position in Cyber Hacking workshop of TechnoGyanam (2014)
	Limited fluency in French and German , studied French at school level as second language (2014)