



Parul Diwan
Mechanical Engineering
Indian Institute of Technology Bombay

22B2220
B.Tech.
Gender: Female
DOB: 18/06/2004

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2026	

Pursuing a Minor in **Robotics**: an interdisciplinary minor integrating Aerospace, Computer Science and Electrical Engineering

SCHOLASTIC ACHIEVEMENTS

- Awarded an **AP grade** for exemplary performance in **Innovation & Entrepreneurship**, given to **4/200** students [2023]
- Selected by Prof. P.P. Date (Dept. of Mechanical) to pursue an in-Semester Undergraduate Research Project (iSURP) [2024]
- Secured a spot in the top **0.1** percentile out of 1.4Mn+ in the CBSE Grade 12 exam, achieving a score of **98%** [2022]

PROFESSIONAL EXPERIENCE

Indian Institute of Science (IISc), Bangalore | Research Intern | Prof. Aloke Kumar [May '24 - Present]

- Worked in an interdisciplinary group of researchers that focuses on the design and construction of a habitat on Moon and Mars*
- Analyzed **4+** mathematical models used for simulating **microgravity**, comparing the accuracy and feasibility of each method
 - Identified the **3D clinostat** method as the most suitable to predict the results of biological reactions (up to **88%** accuracy)
 - Optimized the design of the **3D clinostat**; tested the model using stem cells at the **National Centre for Biological Sciences**

NoQs Digital | Data Analyst [Dec '23 - Jan '24]

- Received a **Letter of Recommendation** and **Outstanding Performer Award** from the Founder for exemplary performance*
- Achieved **25%** increase in data-driven decision-making efficiency; developed **10+** dashboards analyzing employee attendance
 - Implemented data extraction and documentation tools (like Autocrat) in Excel, reducing manual processing time by **40%**

WORKSHOPS

Procter & Gamble (P&G) Spotlight Program | Supply Chain Management [May '24]

- Selected among India's **top 50** undergraduates for an all-expenses-paid trip to P&G plants, after **tests** and **resume** screening
- Obtained exposure to P&G Hyderabad's **Tide** and **Pampers** line through site visits and team-based **supply chain** simulations

POSITIONS OF RESPONSIBILITY

Partner | **Consulting Core Group** | Undergraduate Academic Council [May '24 - Present]

Part of a team of 9 focused on tackling real-world cases, on-boarding clients and curating resources in the consulting domain

- Launching the institute's first Consulting and Product **Case Book** covering **30+** cases from **100+** seniors and alumni
- Initiated **Guesstimatrix**, an infographic series achieving **30k+** impressions and a **150%** increase in engagement
- Spearheading deals with **45+** companies and startups to onboard clients and deliver Pro-Bono Consultancy Services

Institute Student and Department Academic Mentor | Student Mentorship Program [May '24 - Present]

- One of the only 19** third year students selected as an ISMP mentor among the entire batch of **1400+** students
- Appointed as a mentor for incoming **freshers** and **6 sophomores** to provide academic, personal and co-curricular guidance
- Tasked with contributing to the mechanical DAMP blog covering **300+** experiences of courses and internships (Reach **700+**)

Finance and Marketing Manager | Student Satellite Program, IIT Bombay [Apr '23 - Sept '23]

Part of a 50+ member student team with the vision of making IIT Bombay a centre of excellence in space technology

- Associated with **5+ corporations** for third-party collaborations and sponsorships; managed a budget of **0.6m+** for the team
- Curated content for the team website and social media accounts across various platforms with a **10k+** viewership

Editor | Mechanical Department Council, IIT Bombay [May '23 - May '24]

- Authored the **Internship Diaries** blog-post covering **10+** experiences and resources across Finance, ML and FMCG
- Curated content for the first-ever Mechanical Newsletter that covers **5+** labs and **7+** institute tech teams

KEY PROJECTS

Team Rakshak, IIT Bombay | Unmanned Aerial Vehicles for Search and Rescue Operations [Sept '23 - May '24]

A 60+ member team aiming to develop a fleet of robust Unmanned Aerial Vehicles to represent India on a global level

Junior Engineer | **Aerodynamics and Manufacturing Subsystem**

- Collaborated on the design of Project **GANDHARV**, to represent India among **80+** teams in **ACC 2024** in Aachen, Germany
- Presented projects **Garud** and **SkyHawk** in Tech RnD Expo, a 2 day event engaging **10+** sponsors and **100+** exhibitions

Effects of interest rate hikes on various asset classes | Finance Club [June '24 - Present]

- Worked in a team of 4 to analyze **5+** significant RBI interest rate hikes and their impact on macroeconomic indicators
- Quantified and represented repo rate changes, inflation rates and **stock market index** (Sensex) from 2012 to 2024

SKILLS & EXTRA-CURRICULAR ACTIVITIES

Writing, Speaking Arts & Cultural	<ul style="list-style-type: none">Received 7 years of formal training in Kathak from Natyalaya School of Dance and MusicSelected to perform in Bollywood choreographer Shiamak Davar's International Dance Academy showBest Delegate at the National NCFE MUN (120+ delegates); represented school and won at 5+ MUNsAwarded World Rank 33 in British Council's International English Olympiad (22 countries, 34k schools)Awarded Excellence Certificate in the International French Contest by Alliance Francaise (137+ countries)Lead actor and screenplay writer in SophieProd (Fourthwall, the Dramatics Club of IIT Bombay)Elected as Vice President of the Literary Club in the Student Council, out of 100+ candidates
Sports	<ul style="list-style-type: none">Won gold in the Football Hostel General Championship, IIT Bombay Captain of school football teamRepresented school at The Hindu Chess Competition; participated in several school level chess tournaments
Contests	<ul style="list-style-type: none">Selected for Barclays International's 'Women in Banking Mentorship Program' leadership interactionsCity Finalist of 'The Times of India' National Aptitude Challenge (355k+ students, 790+ schools)
Others	<ul style="list-style-type: none">Developed AudioHive, a social networking app for Seasons of Code (Web and Coding Club)Awarded Exemplary Aircraft Design among 125 teams in the RC Plane Competition (Aeromodelling Club)