Prabhat Ranjan	16D170027
Energy Science and Engineering	Dual Degree (B.Tech. + M.Tech.)
Indian Institute of Technology, Bombay	Gender: Male
	DOB: 27-01-1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	8.94

SCHOLASTIC ACHIEVEMENTS

- Department Rank **3** out of 27 students
- **Charpak Lab Scholarship** recipient
- **Academic Proficiency** in **Biology & Innovation by design courses**
- **Erasmus+ Global Mobility Scholarship** awardee (for Semester Exchange)

INTERNATIONAL EXPOSURE

Aalto University, Finland | Semester Exchange — Jan '20 - Jul '20
- Completed **35** ECTS equivalent to **900+ hours** of coursework in Master's Program of **Advanced Energy Solutions**
- Finished 4 courses related to **Finnish culture and Multicultural Team Work and Leadership**

International Student Energy Summit, London | Delegate — Jul '19
- Attended the global summit consisting of **650+ delegates** from **100+ countries** at Royal Geographical Society, London
- Networked with delegates form **50+ leading companies** spanning different sectors and industries related to Energy

Solar Decathlon China, Dezhou, China | Team Shunya — Jul '18 - Aug '18
- Represented India at Solar Decathlon, a global **green architecture challenge** organised by **US Department of Energy**

KEY PROJECTS

Project Solarise | Team Shunya — Aug '17 - Aug '18
*Won **Best participation award** in Solar Decathlon China 2018, only team from India*
- Worked as a **design engineer** collaborating with **65+** team members to build a **sustainable, net positive energy house**
- Successfully **deconstructed, shipped and reconstructed** the 1800 sq. ft house in 12 days at SDC site in Dezhou, China
- Underwent construction training at **Armstrong Pvt. Ltd.**; Documented the **construction process** and **design procedures**

Development of Solar Drying Technology for Agricultural produce | Master's Thesis — May '20 - Present
- Conducted an **extensive literature survey** on solar drying to **identify key shortcomings** in existing drying technologies
- Designing a solar dryer with an **integrated heat storage** solution to enhance the drying time during solar unavailability
- Formulating a **phenomenological model** that can be **solved numerically** to obtain design parameters for the dryer

POSITIONS OF RESPONSIBILITY

Core Team member | Team Shunya — Aug '18 - Dec '19
Team Lead to a technically-driven group of 50+ members
- Spearheaded **recruitment** of **45+ new team members** across **5+ batches**; Completely revamped the **team structure**
- Planned the next housing project end to end, within a budget of **INR 40 mn**; Pitched for **Solar Decathlon Europe 2021**
- Worked with 5 Architects on **retrofittable and deployable design**; Headed several technical & managerial team meets

DAMP Mentor | Department academic mentorship Program, DESE — Apr '18 - May '19
- Mentored **five sophomore undergraduate** students to help them fully realize their academic potential
- Published up-to-date course reviews on the DESE D-AMP blog to help **130+ students** of the department
- Underwent a **12-hour training** session conducted by **Student Wellness Centre**, IIT Bombay and TISS

Energy Club Convener | Institute Technical Council, IIT Bombay — Apr '17 - May '18
- Worked with a team of **5 members** to spread awareness about the popular energy technologies and innovations
- Organized 5+ documentary screenings, 5+ talks, workshops and Group Discussions for **10000+** residents of IIT-B

Teaching Assistant | BB101(Biology) | Prof. Ambarish Kunwar — Feb '18 - May '18
- Conducted weekly tutorial sessions for **35+ first-year** students and assisted professor in evaluation procedures

EXTRA CURRICULAR ACTIVITIES

Sports	Member of Institute Hockey Team for **Inter-IIT Sports meet** for two consecutive years Led hostel team to **Silver medal** twice in Hockey GC | Won **gold** in Institute Hockey League Proficient in Frisbee, played with regional team in Finland
Mountaineering	Completed 15 days **Mountaineering Adventure Course** at Sanasar (Jammu) Won a prize for the **Discipline and Overall conduct** during the same course
Social Service	**Volunteered for CURED**, a Diabetes awareness initiative undertaken by **TechFest 2016, IIT Bombay** **Volunteered at Abhyasika** (Student-run NGO) : Teaching underprivileged children

Scholastic achievements and extracurricular activities are not verified by the Placement Cell