



**Akhilesh Nitish Katkar**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**

**170040014**  
**B.Tech.**  
**Gender: Male**  
**DOB: 21-11-1999**

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

### POSITIONS OF RESPONSIBILITY

**COMPETITIONS COORDINATOR | TECHFEST | IIT BOMBAY** [Apr 18 – Dec 18]

*Awarded Certificate for exemplary managerial performance in streamlining competition flow by Capt. A.D. Manek*

- Led a team of **35+ subordinates** in executing **Boeing Aeromodelling Competition**, attracting more than **1000+** participants
- Revamped the competition process flow, enabling timely completion of **Round-1 for 200 teams in a day**
- Contributed significantly in **Solar Energy workshop** by SoULS to create **Guinness World Record** of '5000+ LED lights lit'

**DRAMATICS SECRETARY | HOSTEL 8 | IIT BOMBAY** [Jul 18 – Apr 19]

*Awarded Cultural Special Mention (given to 5/400) for commendable organizational skills and contribution to the council*

- Organized logistics and performed with **25 participants** (maximum by any hostel team) in **Main Dramatics GC**
- Led and mentored a team of **15 freshmen** students in Street Play Arcade and bagged **5th position**
- Collaborated with 15-membered council in the ideation and execution of **Jungle Fest - The Annual Fest of Hostel 8**

**OPERATIONS COORDINATOR | E-SUMMIT | E-CELL, IIT BOMBAY** [Sep 18 - Jan 19]

- Spearheaded a team of **10 organizers** to manage the logistics and accommodations across various **hostels and hotels**
- Administered an overall budget of **INR 40K** obtained by providing **On-spot accommodations** to the attendees
- Revamped the room allotment process using **MS Excel model** resulting in reduction of the overall waiting time

### PROFESSIONAL EXPERIENCE

**RESEARCH FREELANCER | L.E.K. CONSULTING** [Jul 20]

*Worked under an **associate** from LEK, Mumbai office to study the situation of **Educational institutions** amid COVID-19*

- Formulated data published by various Virology institutes about the trends in COVID-19 cases using **MS Excel**
- Analyzed health screening measures, changes in **teaching policy and regulations** implemented in different countries
- Critiqued **news articles** to study government responses to school closure and reopening in **10+ countries**

**DESIGN WINTER INTERN | BETR CONSULTING** [Dec 18]

- Used various components of **Balsamiq** in designing the basic wireframe of a webpage
- Designed various posters using **Adobe Photoshop, Canva** and various other designing tools

### KEY PROJECTS

**REMOTE CONTROLLED PLANE | AEROMODELLING CLUB | IIT BOMBAY** [Oct 17 – Nov 17]

- Fabricated a **unique streamlined design**, which enabled repairing without much disturbance to other components
- Designed the **airfoil fuselage** aiming to increase the lift coefficient and decreasing the overall weight of the plane
- Conducted experimental flight tests on simulator which **enhanced flight performance** and stability

**TEAM ZERO WASTE | MEMBER, PLASTIC SUB-TEAM | IIT BOMBAY** [Mar 19 – Oct 19]

- Reviewed **15+ Research papers** and identified different enzyme activities in **lemon peels** for further conversion & utilization
- Gauged the impact of **Biomethanation plant (2 ton/day)** and solid waste management techniques used in the Institute
- Proposed action plan for **reduction** in plastic waste generated mostly comprised of PET bottles across the campus
- Examined the technical feasibility for developing **plastic-based bricks** as a building material

### EXTRACURRICULARS

Educational	<ul style="list-style-type: none"> <li>Visited <b>CWPRS, Pune</b> and examined various models to understand various concepts of <b>Fluid Mechanics</b></li> <li>Visited <b>Bombay Stock Exchange (BSE)</b> for a one day Financial and Stock market Educational trip</li> </ul>
Courses	<ul style="list-style-type: none"> <li><b>Initiating and Planning Projects</b>   University of California, Irvin   Margaret Meloni   Coursera</li> <li><b>Python Basics for Data Science</b>   IBM   Joseph Santarcangelo   edX courses</li> </ul>
Cultural	<ul style="list-style-type: none"> <li>Performed at <b>Annual InSync Dance Show</b>, IIT Bombay's biggest dance event witnessed by 1500+</li> <li>Secured <b>5th Position</b> in <b>Gyrations</b> – Inter-Hostel Dance General Championship'18</li> <li><b>Lead Vocalist</b> at Freshiezza Music Arcade; performed in front of a crowd of 500+ people</li> <li>Underwent <b>3-years</b> of rigorous training in <b>Tabla</b>; played alongside Hindustani Music</li> </ul>
Other	<ul style="list-style-type: none"> <li>Served as an <b>Election Officer</b> of Hostel-5 ensuring smooth execution of <b>Institute elections</b></li> <li>Represented the hostel in <b>3-D Installation GC</b> and Dry-medium <b>Fine Arts GC</b></li> <li>Successfully completed a course on <b>Pottery</b> under Studio Project – I offered by IDC</li> </ul>

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