



Ankur Meshram
Mechanical Engineering
Indian Institute of Technology, Bombay

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B.Tech.
Gender: Male
DOB: 15-05-1999

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	7.62

PROFESSIONAL EXPERIENCE

LEAR CORPORATION | IEC SEATING | ENGINEERING DIVISION [APR '20 – JUN '20]
 Received a 'Letter of Recommendation' and '**Lear Spotlight Award**' for exemplary results delivered on the project

EXPOSURE	<ul style="list-style-type: none"> Reported Comfort and Legal compliance for the upcoming Jaguar Land Rover model X391 using CATIA V5 software Effectuated intense study of 20+ seating jargons and 80+ design checks to categorize specifications as OK, NOK or NA Assessed the number of designated seating positions using a conditional formula keeping void width fixed at 140mm
IMPACT	<ul style="list-style-type: none"> Delivered 5 reports for MLA platform using 45+ extracted drawings to perform safety checks as per OEM regulations Computed floor contact area & foot assessment volume by utilizing child restraint fixture over multiple i-size systems

JARVIS TECHNOLOGY & STRATEGY CONSULTING | MANAGEMENT TRAINEE [JUN'19 – JUL'19]

- Coordinated with a team of 9 members on **Yuva Shakti Abhiyaan** aimed at registering **0.5M** voters using **app-based** tracking
- Involved in **strategic planning** using the ground-intelligence report and managed database of **3000+ volunteers** at ZP and block-level
- Assisted in data collation, processing and formatting for **managing models** and key performance metrics for statistical analysis

GORDIAN TECHNOLOGIES | INDUSTRIAL DESIGNER [APR'20– MAY'20]

- Implemented assembly modeling using **Fusion 360** on individual modules to run **10+** static stress simulations for multiple loads
- Scrutinized the **safety factor** & points of failure in existing prototype using **Von mises criterion** to propose changes for next version

LEADERSHIP ROLES

GENERAL SECRETARY | MECHANICAL ENGINEERING ASSOCIATION, IIT BOMBAY [APR '19– JUN '20]

Elected representative of 1100+ students of Mechanical Engineering Department, leading a two-tier team of 10 members

- Managed department funds of worth **INR 0.4M** & transactions with multiple dealers to organize **10+** informal department events
- Revamped Facebook handle** of MEA that elevated reach by **12-fold** & 2000+ engagements to ensure successful promotion of events
- Conceptualized & initiated **Sports Weekend** achieving active participation with **100+** registrations for individual and team sports
- Supervised department convocation catering **700+** people; executed valedictory function with **400% y-o-y improved participation**

MENTOR | DEPARTMENT ACADEMIC MENTORSHIP PROGRAM (D-AMP) [JUN'20–PRESENT]

Selected as part of an **11 member cross-department** mentorship program through SOP, interviews and peer reviews from batchmates

- Mentoring & guiding **4** sophomores academically from diverse backgrounds and involved in general upliftment of ESE department

DANCE SECRETARY | HOSTEL-9, IIT BOMBAY [AUG '18 – APR '19]

Elected by **400+** students for a council of **30+** members; bagged **1st** position in **Overall General Championship** among 10+ hostels

- Awarded **Organizational Special Mention** (1/6 out of 400) for exemplary contribution; managed successfully a budget of **INR 25k+**
- Bagged **3rd** position and **Gem of the GC** title in Gyration Dance GC among **10+** participating hostels, leading a team of 25+ students

KEY PROJECTS

OPTIMIZATION OF IRRIGATION WATER | LARSEN & TOUBRO | CTARA, IITB [JAN '20 – JUN '20]

- Collaborated with L&T PCT to review the effectiveness of **Solar PV drip irrigation** system in Talasari which caters **127 households**
- Modeled a **linear optimization** having efficient rainfall and soil humidity as constraints to compare theoretical and observed values

STRESS-STRAIN ANALYSIS ON PTFE MATERIAL | Solid Mechanics | Course Project [MAR'19–APR '19]

- Led a team of 4 to study and analyze the **elastic properties** of Poly Tetra Fluoro Ethylene (PTFE) sample under different strain rates
- Performed compression & tensile tests on **UTM** to determine **Young modulus** of PTFE by plotting Load v/s Strain graph using **MATLAB**

ACCOLADES & EXTRA-CURRICULARS

CERTIFICATIONS	<ul style="list-style-type: none"> BCG Strategy Consulting virtual internship Digital Marketing Certification by Google, iab & Open University ['20] Analytics workshop on IoT by MathWorks IBM Docker Essential Badge for using IBM Container Service ['20] FLY-Scholar certification by Competitiveness Mindset Institute, USA for outstanding non-cognitive skills ['20]
CULTURALS	<ul style="list-style-type: none"> Grabbed 1st and 3rd position in Main Dramatics General Championship and Street Play GC respectively ['18] Lead vocalist in Goonj Music GC and underwent professional training at Hindustani classical vocals & flute ['19] Ranked 2nd in Dance section of PAF Khaled & performed in front of 2000+ crowd at Annual Insync Dance Show ['18]
SOCIAL	<ul style="list-style-type: none"> Participated in the World's largest beach cleanup campaign at Versova Beach launched by Afroz Shah ['18] Actively mentored 50+ unprivileged students towards their career goals under Career Counseling Program ['19]
TECHNICAL	<ul style="list-style-type: none"> Accomplished the KPMG Data Analytics Consulting virtual internship based on data quality and insights ['20] Proficient in software like AutoCAD, Solidworks, MSC ADAMS and programming languages like C++, Python, SQL, R
INTERESTS	<ul style="list-style-type: none"> Reading Non-fiction, Reflective Writing, Playing Guitar, Trekking enthusiast