



**SYED MUZTABA ALI**  
**Mechanical Engineering**  
**Indian Institute of Technology, Bombay**

**170040099**  
**B.Tech.**  
**Gender: Male**  
**DOB: 23-08-1998**

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

### SCHOLASTIC ACHIEVEMENTS

- Secured **AP grades** in Computer Programming, Engineering Drawing and Chem. Lab (Top 5 among 480 in each) ['17-'18]
- Selected as **Teaching Assistant in Computer Science Dept.**, IIT Bombay, to mentor 500+ students ['19]
- Ranked 43 (out of 0.1 million+) in the Indian Statistical Institute Bachelor of Statistics Entrance Exam ['18]
- Recipient of the esteemed **NTSE scholarship** and **KVPY fellowship (AIR 78)** awards ['15, '16]
- Awarded branch change** to Mechanical Engineering B. Tech. (23 from among a batch of 960 students) ['18]

### PROFESSIONAL EXPERIENCE

**LEAR CORPORATION | Engineering Team Intern | Fortune 150 Company** [Apr '20 – Jun '20]

Received **Letter of Recommendation** for outstanding performance at automotive components company (INR 500B+ market cap)

- Enabled 30% reduction in time** taken for torque predictions compared to the traditional CAD modelling method
- Selected in **top 7 out of 18 internship projects** and presented the work to the leadership of Lear India
- Developed modular tool to predict pinion torque in seat height adjuster mechanism within 5% error w.r.t. CAD simulations
- Streamlined model back-end for reproducibility – to be adopted by multiple leading automotive parts manufacturers
- Achieved improved model flexibility by resolving drawbacks in existing literature and including additional inputs

### LEADERSHIP EXPERIENCE

**MANAGER, Events | Techfest, IIT Bombay** [Mar '19 – Mar '20]

Core Team Member of Asia's Largest Science and Technology Festival | Budget: INR 74 Million+ | Footfall: 175,000+

<b>INITIATIVES</b>	<ul style="list-style-type: none"> <li><b>Conducted 35 financial literacy workshops</b> in 10 states with NISM &amp; ICICI Bank for 4,000+ students</li> <li>Organized nation-wide free Osteoporosis check-up camps at 50+ centres   10,000+ people tested</li> <li><b>Amplified outreach (y-o-y 48%)</b>: expanding competitions to 6 Indian zones reaching 2600+ colleges</li> </ul>
<b>MANAGEMENT</b>	<ul style="list-style-type: none"> <li><b>Led a two-tier team of 85 students</b> for the conceptualization and execution of 280+ events</li> <li>Planned and executed 3 techno-cultural nights of largely international performances with <b>20% y-o-y decrease in event expenditure</b> and the flagship concert with maximum allowed footfall of 15,000+</li> <li>Led a 50 member team as Director General of Techfest World MUN, hosting 300+ delegates</li> <li>Effectuated International Summits on Industry 4.0 and Digital Media   500+ corporate participation</li> </ul>
<b>INT'L RELATIONS</b>	<ul style="list-style-type: none"> <li><b>Led negotiations with embassies and consulates</b> for techno-cultural associations with <b>50+ countries</b></li> <li>Recruited international ambassadors in 15 countries from Europe, Americas, and Australia</li> </ul>

**Institute Culturals Convener | We Speak, Debating Society of IIT Bombay** [Mar '18 - Mar '19]

- Conceptualized and organized first-ever IIT Bombay Union Debate, along the lines of Oxford Union, with 500+ attendees
- Co-founded the Stand-Up Comedy Club** of IIT Bombay, securing 300+ membership in year of inception

### PROJECTS

**Digit Recognition Neural Network Program | ML Course Project | Prof. Andrew NG (Coursera)** [Aug '20]

- Developed a program on **MATLAB** that can identify digits when their grayscale pixel inputs are given in a 20 x 20 grid
- Implemented multi-class classification using **regularized neural network** to predict digits with an **accuracy of 97.5%**

**Case Study on Dairy Sector in India** [Mar '18]

Won Special Mention at Non-Core Weekend, IIT Bombay (Top 3 out of 50 teams)

- Developed **market entry business model** for a foreign dairy company entering the Indian market including product strategy
- Proposed milk production model (organizational structure), online-subscription based distribution model for urban markets

### EXTRACURRICULAR ACTIVITIES

<b>DEBATING</b>	<ul style="list-style-type: none"> <li><b>Finalist</b> at the National MS Ramaiah Debate, Bangalore (4 teams out of 60+)</li> <li><b>Breaking Adjudicator</b> at the IIT Bombay Inter-Varsity Debate (Top 8 out of 100 adjudicators)</li> <li><b>Finalist</b> at the Government Law College Debate, Mumbai (Novice, 4 teams out of 30+)</li> <li><b>Finalist</b> in Debate General Championship, IIT Bombay (4 teams out of 40+)</li> <li><b>Second</b> at Freshers' Debate Open and IIT Bombay Pro-Am Tournament (out of batch of 960 students)</li> </ul>	['18] ['18] ['18] ['19] ['17]
<b>SOCIAL WORK</b>	<ul style="list-style-type: none"> <li>Organized solar lamp making workshops for 5000+ underprivileged children</li> <li>Mentored a group of 200+ underprivileged children in Reva, Social Festival of IIT Bombay</li> </ul>	['18] ['18]
<b>FILM MAKING</b>	<ul style="list-style-type: none"> <li>Won Special Jury Award at the Indian International Childrens' Film Festival</li> </ul>	['15]
<b>SPORTS</b>	<ul style="list-style-type: none"> <li>Won Man-Of-The-Match at Intra Hostel Football Competition</li> </ul>	['19]

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