



Aryan Chordia
Mechanical Engineering
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 01/03/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	

Pursuing a minor degree in **Artificial Intelligence and Data Science** offered by C-MInDS, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of **925** among **0.25 million** candidates in the JEE - Advanced examination ('21)
- Attained a percentile of **99.86** in the JEE Mains examination in a net pool of **2.2 million** aspiring candidates ('21)
- Conferred with **6 AA** grades in courses across diverse disciplines given to the **top 5%** students across institute ('22)

PROJECTS UNDERTAKEN

Option Pricing Models | *Finsearch* | *Finance Club, IIT Bombay* (Jul '22 - Sep '22)

- Secured **2nd** place out of **150+** registered teams leveraging in-depth analysis of option pricing and derivative models
- Conducted Python-based **Monte Carlo** simulations with an average of **8000** iterations to estimate the option prices
- Achieved a **90%** accuracy rate through validation of the Monte Carlo model against historical data and market prices

Musify | *Summer of Code* | *WnCC, IIT Bombay* (Mar '22 - Jun '22)

- Developed a **music composition model** utilizing various libraries such as TensorFlow, Pandas, Numpy, and Keras
- Employed the **Music21** package in Python to extract **notes** and **chords** from a diverse collection of MIDI audio files
- Generated an original music composition by implementing **LSTM** neural networks and training it on piano audio files

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Intern | *Prof. Dhwani Shukla, Department of Aerospace Engineering, IIT Bombay* (Dec '22 - Present)

Received **Letter of Recommendation** for pursuing technical research in the field of **high-altitude solar reflectors**

- Achieved a **10%** improvement in **flight stability** compared to the baseline design by **optimizing** aircraft structures
- Drove a **20%** boost in solar energy reflection compared to the initial route performance by optimizing the travel route
- Analyzed and summarized **15+** research papers, performing a comprehensive literature review on **swarm robotics**

Strategy Intern | *Microhind Networks & Technologies* (Feb '23 - Apr '23)

Awarded **Letter of Recommendation** from the managing director for exemplary performance and professional conduct

- Pioneered exhaustive market research, unveiling key market trends & growth opportunities, driving strategic planning
- Assisted in identifying and evaluating **10+** new business and project opportunities, conducting a feasibility analysis

POSITIONS OF RESPONSIBILITY

Campaigns Manager | *Abhyuday, IIT Bombay* (Apr '23 - Present)

India's largest student-run social body for leadership and impact | Patronage: **UNICEF, PETA** | Reach: **7M+**

Leadership	<ul style="list-style-type: none">Leading a team of 500+ volunteers to execute 10+ competitions, 50+ events and 600+ campaignsPiloting 20 coordinators with hands-on guidance to cultivate leadership and management acumen
Management	<ul style="list-style-type: none">Directing the execution of the first-ever student-led TEDxIITBombay, targeting 5K+ audienceOffered 600+ fellowships worth INR 2M to students in 60+ NGOs and Non Profit OrganisationsEngaged 300+ volunteers to execute the Powai Lake Cleanup in collaboration with Project Mumbai
Collaboration	<ul style="list-style-type: none">Secured INR 0.1M deals with pharmaceutical firms to open free medical check-up centers in slumsDevising and implementing promotional agreements with 30+ leading media and marketing brands
Initiatives	<ul style="list-style-type: none">Targeting 30+ under-developed regions and slums with a Pan-India family planning programmeEmpowering 2K+ underprivileged children through a structured Career Counselling Campaign

Institute Convener | *Electronics and Robotics Club* | *Institute Technical Council, IIT Bombay* (Apr '22 - Mar '23)

Part of an **8-member** team dedicated to serving the interests and needs of **10K+** electronics and robotics enthusiasts

- Orchestrated an **80%** increase in reach in less than 4 months by strategizing publicity policy for social media handles
- Mentored **600+** freshmen in the design of a robot for **XLR8**, the institute's most prominent technical competition

EXTRA-CURRICULAR ACTIVITIES

Football	<ul style="list-style-type: none">Captained Pune to multiple podium finishes at the state-level ZP, Subroto, Loyola U-16Secured a spot in the Subroto national-level football camp following success during statesPart of the IIT Bombay football team playing in the third-division MDFA tournament
Literary Arts	<ul style="list-style-type: none">Trained as a speaker at the Dynamic Training Model United Nations Pune ChapterSelected to represent my school at district-level debate competitions Patwardhan DebateRepresented my school at several quiz competitions Quizzard, DSK Numeric Genius Quiz
Miscellaneous	<ul style="list-style-type: none">Secured a rank of 187 among 1.8M students in the International English OlympiadReceived the Mr. Freshie title for the most versatile personality among 1.4K+ freshmen