Aryan Gupta   200070009

Electrical Engineering   **B.Tech.**

Indian Institute of Technology Bombay   **Gender: Male**

DOB: 7/8/2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	

Pursuing a **Minor** in **Healthcare Informatics**, completed **DH304: Economics of Health Care**

SCHOLASTIC ACHIEVEMENTS
- Among the **top 40 students** in India for International Mathematics Olympiad **Training Camp 2020**, HBCSE *(2020)*
- Secured **AIR 298** in Joint Entrance Examination **(JEE) Advanced 2020** among **150,000+** candidates *(2020)*
- Awarded **KVPY** Fellowship by **IISc** Bangalore in 2018 & 2019 and **NTSE** Scholarship by **NCERT** in 2018 *(2018)*
- Obtained the **highest** grade in **STEP Mathematics 2**, conducted by **Cambridge University** globally *(2019)*

WORK & RESEARCH EXPERIENCE
ISB Research Intern | *Centre for Analytical Finance, Indian School of Business*   *(Dec '21 - Feb '22)*
A premier research centre undertaking projects on financial markets, institutions, instruments and regulations
- Received a **Letter of Recommendation (LoR)** from **ISB** for exceptional performance during the internship
- Analysed a research paper, presented in several international conferences including **FMA Annual Meeting 2021** and **AFA Poster Session 2022**, based on the preference of firms towards **relationship banking** in India and its impacts
- Utilised data science to extract interest rates from corporate loans data obtained via **Ministry of Corporate Affairs**

Impact MBA Scholar '21 | *Global Governance Initiative*   *(Dec '21 - Present)*
A program designed to create a powerful community of the next 10k young global leaders
- Interacted with Mr. Saurabh Bakliwal, MD at **BCG** to learn about impact investing, consulting & strategy via **case studies**
- Analysed **VC firms** on the basis of **ESG metrics** to create an optimal portfolio for satisfying specified requirements
- Researched the acquisition of firms in the Indian **healthcare** industry by Healthy-Lives using **DCF valuation** on Excel

Distributed Beamforming Using Drone Swarm Network | *ISRO*   *(Jun '22 - Present)*
Research Project | **Guide:** *Prof. Dwaipayan Mukherjee & Prof. Shashi Ranjan Kumar, IIT Bombay*
- Analysed potential **solutions** and submitted a **proposal** to **ISRO** Telemetry Tracking and Command Network
- Carrying out in-depth **literature survey** to explore wireless networks and beamforming analysis **applications**
- Working on the implementation of **particle swarm** optimisation algorithms for cooperative control in UAV Swarm

POSITIONS OF RESPONSIBILITY
Internship Coordinator | *Placement Cell, IIT Bombay*   *(June '22 - Present)*
Part of a 24-member team entrusted with the task of securing and streamlining internships for over 2000+ students
- Building and fostering relations with leaders across **250+ companies** and **50+** internationally renowned universities
- Organising institute-wide **pre-internship** talks by firms, resume-making sessions, and interviews for **1500+** students
- Targeting a **15% y-o-y increase** in internship offers by analysing statistics, exhaustive contacting and data mining

Organising Committee | *13th IIT Bombay Debate Tournament*   *(Sep '21 - Oct '21)*
Largest BP Debate Competition in India with 300+ participants and a budget of INR 2.5 Lakhs
- Part of a two-tier team consisting of **20 members** to run a debate tournament with **international participation**
- Executed smooth registrations & payments of **120+** national and international debate teams belonging to **20+** countries

Department Academic Mentor | *Department of Electrical Engineering*   *(June '22 - Present)*
Selected as a mentor from 100+ applicants on the basis of rigorous interviews and extensive peer reviews
- Guiding **6 sophomores** in their academic and co-curricular pursuits by leveraging the resources of the institute
- **One of 3** mentors appointed as a part of Counselling and Training (**CaT**) Cabinet of the **Institute Student Mentorship Programme** out of **46 mentors** in department to increase awareness about **mental health** issues

EXTRACURRICULARS
- **Represented India** as a speaker in United Asian Debating Championship 2021, **Asia's largest** debate tournament
- **Represented India** in **15+** international and national debating tournaments, both as speaker and adjudicator

	Achievement	Tournament	Significance
Debating	Represented India	LSE, Yale, Doxbridge, ANU Debate	Largest global debating tournaments
	Novice Finals Judge	HWS IV 2021	Highly prestigious American tournament
	Invited Judge	NTU Debate 2022	One of the largest Asian tournament
	Quarter-Finalist	IIT BHU 2021	Reached outround in first tournament
	Novice Semi-Finalist	RV Debate 2021	National Debate with **80+** teams
	Pre Quarter-Finalist	RPMD, BITS Debate 2021	National Debate with **100+** teams
	Champion	Inter-IIT Debate 2021	First position across all IITs
Others	• Co-founded **अननRavel**, a novel social impact **startup** to improve food supply chain efficiency • Assessing accuracy of **3+** option pricing models using **5+** derivative instruments through **FinSearch** • Analysed ground level impacts of the pandemic on **TAs** & teaching methods as a **panelist** at **Insight** • **Grade 8** Theory of Music, **Grade 4** Guitar Rock and Pop accredited by **Trinity College London** • Among the **top 300** students out of **200k+** students selected as **Times Spark Scholar** by TOI • **A2 certificate** in **German language** from Goethe Institute, New Delhi with **5 years** of training • Visited **5+** countries across continents, explored various cultures to obtain **international exposure**		