Aniruddh Baranwal   200100025
Mechanical Engineering   B.Tech.
Indian Institute of Technology Bombay Gender: Male
                                         DOB: 24/04/2002

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

Pursuing **Minor** in **Artificial Intelligence and Data Science** under C-MInDS, IIT Bombay   *(Minor CPI   )*

SCHOLASTIC ACHIEVEMENTS

- Secured **AA grade** in a total of **11** courses for exemplary performance | Obtained **9.85 SPI** in semester 3   *(2022)*
- Achieved All India Rank **880** in **JEE (Advanced)** and All India Rank **426** in **JEE (Main)** examinations   *(2020)*
- **Top 1%** in National Standard Exam in Chemistry organized by IACT | **Top 0.1%** in Physics CBSE Exam   *(2020)*

PROFESSIONAL EXPERIENCE

Supply Chain Intern | LEAP India   *(May 2022 - Jul 2022)*
Asset pooling company holding 80% market share in pallet pooling business | Received LoR

Approach	• Shortlisted and evaluated the viability of **25+ companies** from over 90 companies for partnership • Ideated company-specific **value proposition decks** based on their expertise, geography and size • Proposed **end-to-end** asset tracking system using **IoT** and contacted companies for building it
Impact	• **28%** reduction in customer acquisition cost	Diversified revenue streams	**8%** reduction in loss of assets

LEADERSHIP EXPERIENCE

Manager | Tinkerers' Laboratory (TL), IIT Bombay   *(May 2022 - Present)*
Heading the management of a completely student-run 24X7 makerspace catering to 10,000+ students

- Overseeing a team of **4** salaried employees and **5** students to manage a lab which forms backbone of Technical Council
- Managing finances worth   and targeting   through alumni and corporate sponsorships
- Supervising **4 IITs** to help them establish, fund and manage new TLs and forming a national organization of TLs
- Increased **social media** presence by over **50%** within 2 months by introducing a new series of posts and reels
- Responsible for planning logistics to execute flagship events with **25+** organizers and **600+** participants

Department Academic Mentor | Student Mentorship Programme, IIT Bombay   *(May 2022 - Present)*
Selected out of 140+ applicants through interviews and peer reviews to build a support system for 240+ students

- Mentoring **6** sophomores to ensure they have a smooth transition into the academic and social life at IIT Bombay
- Responsible for organizing **help sessions** of various department courses and updating the **DAMP blog**

Convener | Institute Technical Council, IIT Bombay   *(May 2021 - Apr 2022)*

- Instituted **InstiX**, a team which aims to solve problems within the campus through technological innovations
- Achieved **150% y-o-y** increase in participation in DIY Projects by introducing mentor-based structure
- Curated TSS summer course | Secured **25+** internships for students | Managed events with **150+** participants

KEY PROJECTS

Junior Design Engineer | IIT Bombay Racing Team   *(Aug 2021 - Feb 2022)*

- Implemented **You Only Look Once** algorithm for image processing using Python and achieved accuracy of **0.8**
- Mentored **8** trainee members through **practical modules**, acquainting them with concepts of machine learning

Unsupervised Sound Separation using MixIT | Course Project   *(Apr 2022 - May 2022)*

- Implemented a research paper on unsupervised sound separation ML model using **Mixture Invariant Training**
- Deployed concept of **mixture of mixtures** and **SNR Losses** to achieve competitive performance on **FUSS** dataset

Analysis of World Happiness | Course Project   *(Oct 2021 - Nov 2021)*

- Predicted World Happiness Ladder using **Neural Networks**, **SVM** and **Random Forest** to achieve **89.2%** accuracy

EXTRACURRICULARS

Social	• Volunteered to teach mathematics in Shiksha Ashram, a school for underprivileged students • Participated in the campaign to clean up Powai Lake as an initiative organized by **Abhyuday**
Cultural	• Participated in **National Debating** Competitions competing among **300+** students • Constituted team of **12** students and ideated website to execute Seed Stars during E-Summit • Completed 1 year of training on acoustic guitar under professional guidance
Miscellaneous	• **Teaching Assistant:** Delivered tutorials and catered to academic needs of over **80** freshmen • Obtained **2nd** position among 100+ teams by making a bluetooth-controlled bot in a team of 4
Technical	• C++	Python	NumPy	Pandas	Matplotlib	Seaborn	Scikit-learn	Microsoft Office