Disha Pandey			**210100055**		
Mechanical Engineering			**B.Tech.**		
Indian Institute of Technology Bombay			**Gender: Female**		
			DOB: 13/09/2003		

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

Pursuing a **Minor Degree** in **Computer Science and Engineering**

SCHOLASTIC ACHIEVEMENTS

- Selected as **UG Teaching Assistant** in PH112 - Quantum Physics for **1400+** students, personally tutoring **40+** (2023)
- Secured **99.63** and **97.79** percentile in the IIT-JEE Main and Advanced exams among **1 million+** candidates (2021)
- Received the esteemed **NTSE scholarship** awarded to the **top 1000** students among **1 million+** candidates (2019)

PROFESSIONAL EXPERIENCE

Exotel and Cogno | *Software Development Intern* (May'23 - Jul'23)
Worked with teams spearheading Exomind : a no-code user defined chatbot through various communication channels
- Analyzed open source GPT plugins like AutoGPT in **Business and CX** applications under the **Chief Product Officer**
- Evaluated **5+ Generative AI** agents that integrate custom bots with human agents through common-inbox softwares
- Observed **2** real time use-cases and collaborated with **10+** team regarding customised prompt generation in **Dall-E**

POSITIONS OF RESPONSIBILITY

Partner, Consult Core Group | *Consult Club, IIT Bombay* (Jun'23 - Present)
- Compiled and launched the first ever **Institute Case Book** covering **30+** cases from **50+** seniors in a team of 6
- Modelled and reviewed detailed solutions to **Guesstimates, Market Entry, Profitability** and other frameworks
- Conducting secondary and on-ground **Market Research** and **Pricing** for **SyncVerse:** a Fire Safety System start-up

Chief Editor | *Mechanical Department Council* (Mar'23 - Present)
- Authored and edited the **Internship Diaries** blog-post covering **10+** experiences and resources, leading a team of 4
- Curated content for the first ever **Mechanical Newsletter** that covers **5+** Labs and **7+** Institute Tech Teams
- Spearheaded the plan for the **Department Magazines** set to cover global research in Robotics, Mechatronics and AI

Convener, Literary Arts Club | *Institute Cultural Council, IIT Bombay* (Jul'22 - May'23)
- Executed the IIT Bombay Scrabble Open with **Scrabble Association of India (SAI)** and **40+** players from **5+** nations
- Managed Quizzing Blog, engaging **10.5k+** viewers across **22** countries and achieving **32.5%** online presence growth
- Organised **50+** events and content for **80+** social media campaigns catering to **2000+** followers and **1000+** students
- Led a team of **15+** to conduct **10+** events for the flagship **Literarium 2023** as **Events Lead**, engaging **2000+** students

Horizons Coordinator | *Mood Indigo, IIT Bombay* (May'22 - Dec'22)
- Streamlined and executed itinerary event timelines for the visits of **15+** international and Indian artists at **MI'22**
- Hosted a panel with the cast of **TVF Pitchers 2** including Gopal Dixit, Arunabh Kumar, etc for an audience of **3000+**

KEY PROJECTS

Stock Trading using Reinforcement Learning | *FinSearch* | *Finance Club, IIT Bombay* (Jun'23 - Present)
- Analyzed **5+** use-cases of ML versus RL in **Algorithmic Trading** in Technical and Fundamental Analyses.
- Implemented a **Reinforcement Learning** agent, trained on **2.6k NIFTY50** data points with a **78%** prediction accuracy
- Comparing accuracy of RL agents with the **ARIMA** model and studying strategies like **mean reversion**, arbitrage etc

Natural Language Processing | *Summer of Science* | *Math and Physics Club, IIT Bombay* (May'23 - Present)
- Implemented **5+** exercises on **RNNs, LSTMs**, and working towards building a **Transformer** and the **BERT model**
- Authored a Mid-Term Report on insights from **10+** research papers on RNNs, Embeddings, & Machine Translation

IIT Bombay Racing | *Mechanical Trainee* (Apr'22 - Mar'23)
- Designed a Chassis Jack, GoPro mounts and analysed load on Main Roll Hoop utilising **SOLIDWORKS and Ansys**
- Analysed flow around an Ahmed Body using **Ansys Fluent** and generated **Pressure and Velocity Contour Graphs**

EXTRACURRICULAR ACTIVITIES

Teaching and Mentorship	– **ELIT**: Tutored **50+** students in reading and writing English, **e-mails, SOP writing,argumentation, etc** – **Department Academic Mentor**: selected to mentor 6 students in **academics** and **extra-curriculars**
Writing, Speaking Arts and Culturals	– Member of the Speaking Arts contingent in **Inter IIT 5.0** winning 7th place out of 50+ in Slam Poetry – Won **3rd Place** in the **All India Essay Writing** event by **Shri Ram Chandra Mission** and **UN Info Centre** – Excelled with **First Class** in the **Bharatnatyam Junior Grade Examination** conducted by the State – Received **1st Class** in the **7th year Painting Examination** by **Bangiya Sangeet Parishad** – Awarded **Young Writers Award** among **10** writers of **5000+** at the national level of **Katha Utsav**