

Pursuing a **double minor** degree in **Artificial Intelligence and Data Science** and **Computer Science**

SCHOLASTIC ACHIEVEMENTS

- Awarded the prestigious **NTSE** scholarship conferred to **800** students out of **1 mn+** candidates (2019)
- Secured **high distinction** in the International Chemistry Quiz with **20+** participating countries (2019)
- Selected as a UG Teaching Assistant for **50+** students for MS101 based on prowess in the subject (2023)

PROFESSIONAL EXPERIENCE

Summer Analyst | *Ernst & Young*

(Apr'23 - Jun'23)

Awarded a **letter of recommendation** by the Senior Partner for exemplary performance in the internship tenure

- Analysed the price history and trading volumes of the 50 stocks in the index **NIFTY50** from NSE India
- Achieved **2.74%** MAPE accuracy on concatenated data in **open price** prediction with **3** ML models
- Accomplished a MAPE of **1.4%** on a foundational neural network, within the realm of **deep learning**

KEY PROJECTS

Spin-Wave-Based Neural Network | *Brown University*

(Jun'23 - Present)

Guide: Professor Miguel A. Bessa, Brown University

- Worked on a neural network hardware design achieving lower **energy consumption** by the order of **5** compared to GPUs leveraging spin-wave propagation to improve **neuromorphic computing** abilities
- Testing a **PyTorch machine learning** framework for vowel recognition in audio data called SpinTorch

Global Survey Analysis on Behavioral Economics | *Research Project*

(Dec'22 - Present)

Guide: Professor Subrato Banerjee, Department of Economics, IIT Bombay

- Hosted **international** surveys studying extreme opinions and knowledge deficiency for **1000+** students
- Utilizing **instrumental variables** to estimate causal effects while addressing unmeasured confounding

Manch 6.0 | *Deutsche Bank*

(Dec'22 - Apr'23)

- Mastered evaluation of **financial risks** and creditworthiness through comprehensive research on **LBOs**
- Pioneered a **case study** analyzing an LBO failure and proposing recommendations for mitigating risks

POSITIONS OF RESPONSIBILITY

Publicity & Communications Nominee | *Saathi, IIT Bombay*

(Apr'22 - Present)

One of India's oldest bodies for **LGBTQ+** inclusion

- Led a **15-member** team managing the inaugural queer fest at IIT Bombay (**9+** events | **800+** attendees)
- Devised initiatives with renowned firms, including **McKinsey & Co.**, to drive corporate communication
- Spearheading the planning of a corporate diversity day initiative in partnership with **Nomura Holdings**
- Developed and implemented publicity strategies during Pride Month with a reach of over **10k+** students

Institute Analytics Convener | *Undergraduate Academic Council*

(Jun'22 - Apr'23)

Part of a **5 member** team catering to **4500+** students in the domain of **Data Science** and **AI/ML**

- Ideated and hosted Auction wars, an interactive game theory based event with footfall of **200+** students
- Launched the first **Pan-IIT** hackathon in partnership with 6 IITs & **INR 100k+** corporate sponsorship
- Led Winter in Data Science with **1000+** registration for bootcamp and **700+** registrations for projects

EXTRACURRICULAR ACTIVITIES

Sports	<ul style="list-style-type: none">• National Level Player, High Jump - Athletics• Silver medalist at High Jump at the West Zone CBSE Championships (7+ states)• Awarded Best Athlete of the Year, surpassing 300+ students, by the school principal
Social	<ul style="list-style-type: none">• Mentored government school students from grade 8 - 12 with Amazon Future Engineers• Taught math to a class of 20+ tribal girls as a volunteer at Seva Bharti NGO, Indore
Int'l Exposure	<ul style="list-style-type: none">• Collaborated on self-driving car development for IGVC at Oakland University, USA• Secured 3rd place in the British Council's science contest (40+ schools 8+ countries)