**Shyam Iyer**  190040116
**Engineering Physics**  **B.Tech.**
**Indian Institute of Technology, Bombay**  **Gender: Male**
**DOB: 18-10-2001**

| Examination | University | Institute | Year | CPI / % |
|---|---|---|---|---|
| Graduation | IIT Bombay | IIT Bombay | 2023 | null |

Pursuing **Honours** in **Physics** and **Minor** in **Computer Science & Engineering**

## PROFESSIONAL EXPERIENCE

**Backend & ML Intern | QuHu**                                      July '21 - Present
*Working in a 16-member team of individuals launching India's first unique social audio platform*
- Developing the backend infrastructure using **SpringBoot in Java** for an Android application frontend
- Integrating **Category segregation** and Hashtag functionality to augment user experience and post search
- Exploring techniques to implement a personalised user feed recommendation system via **ML algorithms**

## LEADERSHIP AND ORGANISATIONAL EXPERIENCE

**Institute Literary Arts Secretary | Institute Cultural Council, IIT Bombay**       Apr '21 - Present
*Leading a 7-member council as an elected representative of 10,000 students, organising 30+ events annually*
- Strengthened quizzing culture with the DQ Summer League campaign; achieving **250% increase** in page visits and **900% increase** in participation through consistent activity and point-based leaderboard system
- Expanded the Inter IIT Scrabble League to **8 IITs**, acted as **Overall Coordinator** heading a team of 16 for the second annual inter-collegiate edition which saw a participation of **120 students** across **168 matches**
- Initiated 'Campus Chronicles', a journalism platform to showcase experiences of students in Culturals
- Coordinating a team of 6 under 'ICC Podcasts', an initiative to organise and host podcasts on cultural genres

**Literary Arts Convener | Institute Cultural Council, IIT Bombay**       May '20 - Apr' 21
*Part of a 6-member council responsible for organising Literary Arts events for a 10,000 strong student community*
- Created content for **70+** online campaigns increasing the club's social media presence over **12 fold**
- Coordinated **15 events** under the flagship Battle of the Batches clocking **12+ hours** with **200+ participants**
- Spearheaded the conduction of **8 events** under IIT Bombay's **Literarium** with a budget of **1.4 Lakh** consisting of an **Open General Quiz**, writing competitions and workshops and talks by **acclaimed writers**

## KEY PROJECTS

**Game Theory | Summer of Science**                                      Apr '20 - Jun '20
*Self learning project mentored by an experienced senior under the Maths and Physics Club of IIT Bombay*
- Learned key concepts of Game Theory such as **Nash Equilibrium**, **Backward Induction**, Evolutionary and Behavioural Game Theory and applications in decision making via the course ECON 159 by Yale University
- Documented my learnings in a **10,000** word report and analysed a **case study** on Discussion in Game Theory

**Soaring Stocks in the Indian Market**                                      Oct '19
- Attended a **two-day** long workshop by Quantify Capital and learned crucial concepts of **technical trading** used to analyse stocks charts such as trend analysis, moving averages, RSI and ADX indicators
- Analysed trade options of more than **30 Indian firms** to prepare a report studying one stock option each from the two most favourable sectors of the Indian market at the time, and **won Best Report**

## TECHNICAL STRENGTHS

| | |
|---|---|
| **Programming Languages** | C++, Python, ROOT, Java, JavaScript, MATLAB |
| **Web Development** | HTML, CSS3, Bootstrap |
| **Software/Platforms** | LaTeX, Git, ROS, Solidworks, AutoCAD, COMSOL, Premiere Pro |

## EXTRACURRICULAR ACTIVITIES

| | |
|---|---|
| **Quizzing and Literary Arts** | • Stood **3rd place** at the **National Finals** of **Aqua Regia 2015**, certified by Guinness World Records in 2007 as **India's Largest Science Quiz**<br>• Finished **2nd place** at the 2nd Inter IIT Scrabble League as part of the IITB Contingent |
| **Social Work** | • Raised funds for the Terry Fox Foundation for **cancer research** at the Tata Memorial Hospital and participated in the Terry Fox Run for Cancer in 2014, 2015 and 2016<br>• Visited the **Leprosy Mission Trust** Vocational Training centre in Nashik, Maharashtra in 2016 to gain awareness about leprosy rehabilitation and **donated grains** to the centre |

*Scholastic achievements and extracurricular activities are not verified by the Placement Cell*