

## POSITIONS OF RESPONSIBILITY

**Design Manager** | *Azeotropy, IIT Bomabay*

(July '24 - Present)

Working in a **3-tier** of **16** managers to organise intercollegiate events across India | Football: **11K+** | Reach: **50K+**

**Leadership**

- Being part of a **16-member team**, executing and conceptualizing **30+** events and competitions
- **Developing brochure** to attract sponsors from 120+ companies & **500+** corporate professionals
- Managing **AZeoPress** and **BiWeekly Buzz** series, connecting with over **5K+** participants

**Milestones**

- Enhancing website UI, improving user experience, and driving an increase in user engagements

- Responsible for designing brochures to **advertise symposium** over **120+** companies, **500+** corporate professionals
- Promoting events and competitions to **300+** colleges across India by designing and managing **organisation's blogs**

**Design Coordinator** | *Azeotropy, IIT Bombay*

(2022-23)

- Assisting in the creation of **high quality graphic and video content** for AZeotropy, IIT Bombay
- Designing Avant-garde content for **AZeotropy's social media handles** catering to over **50K+** users

## KEY PROJECTS

**Website Scraping and Database Creation Using Python** | *Self Project*

('22)

- Extracted data from official website of Seasons of Code and Sportskeeda, using Scraping Tools like BeautifulSoup for Python and stored its courses offered and News headings respectively, in CSV format using Pandas and Numpy
- The scraped data, **refreshed at regular intervals**
- Created posts for the Instagram Series called "InCase You Didn't Know" which explains any popular topic in a way that anyone can understand, for example Voice to Voice Conversion with AI

**Option Pricing Models and Their Accuracy** | *FinSearch* | *Finance Club, IIT Bombay* (July '23 - Aug '23)

- Studied the intricacies of the trading of various commodities in India, with special focus on the **options** and **derivatives** market and implemented various **algorithmic trading** strategies using Pinescript on trading view
- Analysed the accuracy of the **Black-Scholes Merton(BSM)** model for option pricing(accurate to **2.16 USD**)
- Implemented **Monte Carlo Option Price Method** using **Python** to calculate the value of an option with multiple sources of uncertainties and random features, such as changing interest rates, stock prices or exchange rates, etc
- Used **Black-Scholes-Merton (BSM) model** which estimates the theoretical value of derivatives based on other investment instruments, taking into account the impact of time and other risk factors

**Payload Vehicle Bot** | *Course Project* | *Prof. Dinesh K Sharma and Ankit Jain*

('22)

- Designed and built a vehicle that can ascend or descend slopes with an incline while carrying and unload the payload
- Developed **CAD** models using **Fusion 360**, **Fracktory** to print 3D models, and **LaserCAD** to lasercut glass

**App Store Using Tkinter for Windows** | *Self Project*

('21)

- Created a **Windows Application** using Tkinter, **Python** Library that is used to create front-end of the application
- Implemented **Tkinter** and **MySQL** to store the database of apps along with it details
- It offers to add, delete or search any app that user enters and gets updated in Real-time. It also offers to store apps by creating an account. Users data are also stored in MySQL

**Chew Crew App UI/UX** | *Course Project* | *Prof. Nishant Sharma and P. Sunthar*

('22)

- Designed **UI/UX** for a **mobile application** for students facilitating them with dietary and nutritional information
- Providing **meal-specific advice** to improve clarity on nutrient intake and **improving their experience** by **delivering customized food solutions** for hostel students. Designed and developed using **Figma**

## TECHNICAL SKILLS

<b>Programming Lang.</b>	• C++, Python, CSS, HTML, MySQL, L <sup>A</sup> T <sub>E</sub> X
<b>Libraries</b>	• Pandas, NumPy, Django, Tailwind, BeautifulSoup, Tkinter, Matplotlib
<b>Softwares</b>	• AutoDesk Fusion 360, Fracktory, LaserCAD, Arduino IDE, Visual Studio, Jupyter, Github, Figma, Google Colab

## EXTRACURRICULAR ACTIVITIES

- Mentored guidance to more than **100+** who were passionate about **filmmaking** to make a short film for an **On Spot Film Making Session** conducted by **SilverScreen Club, IIT Bombay**. ('23)
- Have a complete experience in FL Studio and is well experienced with music production. ('22)
- Employed cutting-edge AI technologies, like Stable Diffusion AI and Mid-journey, to consistently create high-quality images for marketing campaigns. ('23)
- Good experience with DaVinci Resolve Video Editor which are node based video-editing. ('23)
- Good experience with Adobe Photoshop and Lightroom which are layer based photo-editing. ('23)
- Some understanding how Neural Networks works ('23)