**Shruti Bansal**  
**Chemical Engineering**  
**Indian Institute of Technology Bombay**

200020136  
B.Tech.  
Gender: Female  
DOB: 15/2/2002

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

*Pursuing a **Minor** degree course program in the department of **Computer Science and Engineering** , IIT Bombay*

## SCHOLASTIC ACHIEVEMENTS

- Procured a percentile of **99.76%** among **1.02 million** aspirants in JEE Main examination conducted by NTA body *[2020]*
- Secured an **All India Rank** of **25** in the **National Entrance Screening Test** from the total of over **1 lakh** candidates *[2020]*

## PROFESSIONAL EXPERIENCE

### SDE Fintech Associate | FINTRACT GLOBAL PVT LTD                                            *[ Jul'22-Present ]*
*FinTract global is pioneer in the FinTech and RegTech platforms*
- Part of core team for redesigning the Fintract new website using MERN-React.js, Node.js, Next.js; Django, API, HTML/CSS.
- Research to identify, design, and implement innovative ideas to enhance platform and build a great customer experience.

## POSITIONS OF RESPONSIBILITY

### Web Manager | AZEOTROPY | IIT BOMBAY                                                          *[Jul'22-Present]*
*Annual Intercollegiate Chemical Engineering symposium | 11000+ footfall | 300+ colleges | 50000+ reach*
- Redesigning a user-friendly portal for the registration of **300+ Campus Ambassadors** from various colleges all over the India
- Revamping the Azeotropy website and significantly improved its design, user experience, web performance and the speed
- Working with a team of **13** members to ideate as well as conduct new and innovative online activities on AZeotropy website

### Teaching Assistant | DEPARTMENT OF BIO SCIENCES AND BIO ENGINEERING | IIT BOMBAY          *[ May'22-June'22 ]*
*Part of a team of **40+** students selected for efficiently bridging the academic gap between faculty and first year students*
- Mentored a group of **40+** first year students on the concepts and applications of Physical biology & Biomedical Engineering
- Assisted the professors by giving insights about the student problems in remote learning and suggesting practical solutions

### Activity Associate | NATIONAL SERVICE SCHEME,| IIT BOMBAY                                      *[Jun'21-May'22]*
*National Service Scheme is the largest student volunteer body in IITB, serving **1 million+** people nationwide*
- Part of Educational Outreach department, a **14**-member team, selected through rigorous interviews & detailed groundworks
- Headed the Open Learning Initiative (OLI) , a YouTube channel for educational videos, which is currently impacting **124K+** subscribers with **470+** videos and **10M+** views through quality academic content in 9 different regional languages of India
- Revamped Muskaan and Neem School initiative to run in the **online mode** for first time, managed sessions with **150+** kids
- Asissted in the **Marketing** team of **FLARE** which is a nation-wide online event featuring **21k+** schools & colleges across India

## TECHNICAL PROJECTS

### BrainProt | ISURP PROJECT | PROF. SANJEEVA SRIVASTAVA| IIT BOMBAY                            *[Oct'21-Jan'22]*
*Part of Human Brain Proteome Project under Human Proteome Organisation,HUPPO.*
- Processed huge dataset of various genes for **5** human brain diseases and made the violin and bar plots using **Plotly** library
- Added a new tab in BrainProt website using **Django** for backend; **CSS**, **HTML** for frontend & **Post-greSQL** for data handling

### Intelligent ChatBot | SELF PROJECT                                                            *[ Jun'22-Jul'22]*
*AI chatbot that simulate human-like conversations using natural language processing (NLP)*
- Curated the **dataset** of patterns and responses for different tags to train the chatbot made using **sequential** model in **keras**
- Used **LabelEncoder** to normalize labels to numerical labels ,**tokenizer** to segment text into small parts and **adam** optimizer

### Case Study-Indian Real Estate Market | CONSULT CLUB| IIT BOMBAY                               *[Sep'21-Oct'21]*
*Topic-Impact of COVID-19 on Indian Real Esate housing market*
- Studied about impact of Covid on the Real Estate Housing Market and **proposed technical solutions** to boost the industry
- Explored the strength of **virtual reality**, **big data analysis** & **digitization** to bring about the positive revolution in the sector

## TECHNICAL SKILLS

| | |
|---|---|
| Programming | C++, Python, JavaScript, LaTeX, SQL |
| Data Science | Tensorflow & keras, NLTK, Pandas, NumPy, Seaborn, Matplotlib, Sklearn |

## EXTRACURRICULAR ACTIVITIES

- Devoted **80+** hours for community service & made videos of Science experiments under NSS initiative, Prayog *[2020]*
- Bagged **2**nd rank in junior category of Camel Art Contest, **World's largest art contest** in **Guinness World Record** *[2020]*