

SHREYA SINHA

✉ sinha.shreya1601@gmail.com ☎ +91-9974491619

🌐 linkedin.com/in/shreyasinha1600

📍 Ahmedabad, India

EDUCATION

Manipal Institute of Technology, Manipal, Karnataka

B. Tech in Biotechnology 📅 July 2018 – Oct 2022

Minor: Pharmaceutical Biotechnology

CGPA: 8.12 / 10

Relevant Coursework: Biochemistry, Cell Biology, Microbiology, Molecular Biology & Genetic Engineering, Bioprocess Calculations, Downstream Processing, Fluid Flow Operations in Bioprocessing, Heat & Mass Transfer, Bioprocess Engineering, Introduction to Bioinformatics, Bioreaction Engineering, Separation Processes, Engineering Economics & Financial Management, Animal & Plant Biotechnology, ImmunoTechnology, Biomaterials, Bioprocess Control, Essentials of Management, Biostatistics & Design of Experiments, Computational Biology, Molecular Modelling & Drug Design, Biopharmaceutical Engineering

Lucknow Public College, Lucknow, UP

Class XII: ISC- 88.5%

Class X: ICSE- 95%

POSITIONS OF RESPONSIBILITY

Senior Under Officer

4 KAR ENGR COY NCC, Manipal

📅 July 2020 - March 2021

- The highest rank in the Army wing of NCC.
- SUO of an NCC unit with about 160 cadets.
- Attended national level camp- Ek Bharat Shrestha Bharat Camp held at Amritsar in 2019 (had 600-650 cadets).

Vice President

The Astronomy Club, Manipal

📅 July 2020 - July 2021

- Executive Board member.
- Supervised the management & working committee of the club.
- Coordinated between the college admins & the club.
- Organized various online activities related to astronomy.

SKILLS

Software: Basics of SwissPDB Viewer; DAMBE, Canva, Wondershare Filmora, Audacity, MS PowerPoint, MS Word, MS Excel

Others: Basic Audio & Video Editing, Laboratory skills, Dancing, Public Speaking, Leadership, Teamwork & Team motivation, Bilingual (Hindi & English)

ACHIEVEMENTS

- Got *Recommended for Indian Navy* by clearing SSB (World's toughest interview) in my 1st attempt. (*Selection is made based on various psychological, physical & personality tests over a period of 5 days*).
- Earned a Prabhakar Degree in Kathak (*Bachelor of Arts in Music & Art*).
- Won 1st Prize in my State in All India Essay Writing Competition by Shri Ram Chandra Mission and the United Nations Information Centre for India and Bhutan (UNIC).
- State-Level Discus Thrower (*Represented Lucknow in ASISC UP-UK Regional Athletics Meet*).

EXPERIENCE

Lab Research Intern – Technical Services Future Food

Novozymes South Asia Pvt. Ltd., Bangalore, Karnataka

Application of Enzymes in IFB (Indian Flat Bread)

📅 February 2022 - August 2022

- Was assigned an individual project to be handled aimed at "Quality Enhancement of Khaman Dhokla Applying Enzymatic Solution".
- Carrying out laboratory studies to come up with the best solution which meets the current market needs.
- Enzyme dosage & optimization trials to meet the customer needs & checking various sensorial attributes.
- Well versed with handling & maintenance of equipment such as pH meter, weighing balance, moisture meter, hot air oven, consistometer, flour mixer (dough maker), hot press, Texture profile analyzer, Volscan profiler, desiccator.

Mini Project

Manipal Institute of Technology, Manipal, Karnataka

Computational Drug Design

📅 August 2021 - October 2021

- Aimed at designing a Novel Drug.
- Using Bioinformatics tools & techniques like protein modelling, structure & binding site analysis, etc. for target protein of a disease.

Hands-on Experience in Biotechnology Labs

Manipal Institute of Technology, Manipal, Karnataka

- Acquaintance with various biotechnology related experiments & techniques like Blood group testing, Culture media preparation, Media culture methods, Bacterial & fungal staining, Nucleic acids extraction, Electrophoresis, Chromatography, Fluid flow devices, Biochemical assays, Cell disruption methods,

Bioinformatics tools-BLAST; FASTA; Sequence Alignment,
Cell counting, Control valves.

Kathak Instructor

KAFQA Academy

Online Dance Classes

📅 April 2023-Present

- Completed Teacher's Training Course in affiliation with Birju Maharaj Parampara.
- Teaching Kathak to students of age 6-14 as per the curriculum set by Birju Maharaj Parampara.

Dance Teacher

Superprof India

Online Dance Classes

📅 April 2021-Present

- Teach various dance forms to people of different ages with the use of trending video conferencing technology.

Hindi Teacher

Superprof India

Online Hindi Classes

📅 April 2021-Present

- Teaching Hindi to people as a second language.
- Starting from the basics of Hindi alphabets to words, sentences, grammar – both reading & writing.

VOLUNTEERING

- **Category Head** of National Level Technical Fest-Tech Tatva'21
- **Category Organizer** of National Level Cultural Fest - Revels 2020
- **Category Organizer** of National Level Technical Fest-Tech Tatva'20
- **Junior Board Member** (2019-2020) & **Community Volunteer** at Rotaract Club of Manipal
- **Blood donor**

