

Deepika Chaudhary
(Observation, Decision Making, Multi-Tasking)

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Career Objective

My ultimate goal is to contribute significantly to the improvement of human well-being and environmental sustainability through impactful scientific research and innovation.

Academic Details

Year(s)	Qualification – Degree	Board/University	Percentage/CGPA
2021 – 2025 (Pursuing)	Integrated BSc-MSc Microbiology	UPES	7.87/10
2019-2020	XII	CBSE	69.4%
2017-2018	X	CBSE	70.2%

Subject Elective	• Probiotics and Prebiotics • Antimicrobial and Drug Resistance • Fundamentals of Clinical Research • Diet in Disease • Sexually Transmitted and Neglected Tropical Diseases
Exploratory	• Constitution & Indian Polity • International Business • Foreign Trade Policy • Data Science • Data visualization
Technical Skills • GC-MS • ICP - OES • Knowledge of Scientific instruments and techniques • Scientific Writing • Good Laboratory Practice • Microscopy • Microbiological Assays • Auto Dock – Vina • Open Babel • Avogadro • Ras Mol • Chem Sketch	Soft Skills • Blog Writing • Time Management • Problem Solving • Team Work • Leadership Skills • Decision-making skills • Situation Awareness • Cooperation

Summer Internship

IISc Bangalore, Intern, Bangalore**Jun 2024 – Dec 2024**

- Plasma applications for crop yield in agriculture
- Improve seed germination speed and uniformity.
- Promote faster and healthier growth of seedlings.
- Healthier germination and growth contribute to higher biomass, more uniform crops, and potentially better yields.

Hamari Pahchan NGO, Intern, New Delhi**Jun 2022 – Jul 2022**

- Working on an Individual project as a social entrepreneur.
- Work includes designing posters, designing content for social media, crowdfunding, digital Media Marketing, drafting and filling legal documents.

Project**Final Dissertation Project Under Dr. Dhruv Kumar****Jan 2025 – May 2025**

- Collection of river water samples from the different districts of Western U.P. and analysis of Heavy metal contamination
- Case study of the population using contaminated water for their survival
- Antibiotic Susceptibility Testing of Bacterial Isolates from Water Samples

Minor Project Under Dr. Subhajit Basu and Prof. BS Rajanikanth**Aug 2024 – Dec 2024**

- Check the efficiency of the Cold Plasma-treated seeds.
- Reduce reliance on chemical seed treatments (fungicides, insecticides).
- Chlorophyll estimation of different types of seeds.

SHODH Project Under Dr. Dhruv Kumar**Apr 2023 – Apr 2024**

- “Establishment of a systematic sampling approach to ensure representative Soil samples are collected from various locations”
- To investigate the concentration of Pesticides in soil sample from the affected area.

Accomplishment and Recognition

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| • Workshop “ Topic- Techniques in DNA and proteins ” IIT Roorkee, Uttarakhand | Apr 2024 |
| • Poster Presentation in ‘ 3rd International Conference (ICBTM-2024) , Pacific University, Udaipur, Rajasthan | Mar 2024 |
| • Poster Presentation in ‘ 2nd International Young Researchers’ Conclave 2024 ’ UPES, Dehradun, Uttarakhand | Feb 2024 |
| • Poster Presentation in ‘ Energy Summit 2023 ’ UPES, Dehradun, Uttarakhand | Sep 2023 |
| • Certified in “ Design Thinking and Innovation ” by University of Virginia (Coursera) | Dec 2022 |