



CHANDAN SHRINGI

PhD Student

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CONTACT

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EDUCATION

PhD (Bioengineering)

Department of Bioengineering, IISc

Bengaluru

Aug 2022– Present

CGPA: 8.6

B.Tech. (Biotechnology)

USBT, GGSIP University

2018–2022

CGPA: 8.56

CERTIFICATES

- Crash course on Python - Google
- Programming for everybody - University of Michigan
- Python Data Structures - University of Michigan
- Open-Source Software Development Methods -The Linux Foundation
- Introduction to Git and GitHub - Google
- Technical Support Fundamentals - Google
- Guinness world record event- Online programming lesson - GUVI

RESEARCH EXPERIENCE

PHD DISSERTATION

Aug 2022 - Present

Investigating Mechanisms Behind Oral Cancer Initiation Using 3D Organotypic Models of Human Oral Mucosa

UNDERGRADUATE DISSERTATION

Jan 2022 – July 2022

Genome wide analysis of Arsenate Reductase and Arsenite Transporter gene family and their expression in contrasting rice genotypes.

SCIENCE ACADEMIES' SUMMER RESEARCH FELLOW

July 2021– Sept 2021, University of Delhi

Study of interactions between plants and viruses utilizing various molecular biology and tissue culture techniques

UNDERGRADUATE RESEARCHER

Nov 2021, USBT, GGSIPU

In silico identification and validation of miRNA and their ABI-3 specific targets in Oryza sativa Indica under abiotic stress

SUMMER INTERN

June 2019 – July 2019, USBT, GGSIPU

Study of Bioremediation capability of bacteria Cellulosimicrobium sps

ACHEIVEMENTS

- The Bharat Scouts and Guides Rashtrapati Scout certificate from **The President of India.**
- Department of Biotechnology (DBT) JRF Fellowship Awardee 2022
- Graduate Aptitude Test in Engineering (GATE) 2022 Qualified
All India Rank – 112
- Graduate Aptitude Test of Biotechnology (GAT-B) 2022 Qualified
All India Rank – 7
- Joint Admission test for Masters (JAM) 2022 Qualified
All India Rank – 42

SKILLS

Mammalian Tissue Culture
Organotypic Models Culture
Recombinant DNA Techniques
Molecular Bio. Lab Techniques
Plant Tissue Culture
Bacterial Culture

Python; R; MATLAB
Linux/Bash
Git/GitHub
Web Development