

# Garima Rai

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## CAREER OBJECTIVE

I intend to be a part of a progressive organization where I can make best use of my skills and enhance my abilities that can contribute both to the growth of the organization and my professional career.

## ACADEMIC DETAILS

- M.Tech. (Bioinformatics) in 2021 from University of Hyderabad with 9.37 CGPA.
- B. Tech (Biotechnology) in 2019 from Dr. A.P.J. Abdul Kalam Technical University Lucknow with 79.54%.

## ACHIEVEMENTS

- Qualified **GATE 2019**
- Got First position in representation of “Girls and Women’s conditions in our society”.
- Got Second position in debate and essay writing on social awareness on corruption in inter college competition.

## AREA OF INTEREST

**Molecular Biology, Genetic Engineering and Bioprocess Technology.**

**Well versed with common laboratory instruments and techniques used in the molecular biology laboratory e.g.**

- qPCR and Real Time PCR: Setting up reactions and analysis.
- Blue white screening of clones and colony PCR.
- Isolation of DNA and RNA from plant tissue and blood samples and agarose gel electrophoresis.

### **Academic Projects**

#### **Project Title (B.Tech.)**

Identification and study of methylated & non-methylated DNA

#### **Project Title (M.Tech.)**

Bioinformatics analysis of LncRNA associated with Lung cancer

## SCIENTIFIC ACTIVITIES

- Presented a poster and paper titled “Biosensors in Environmental monitoring” in the **National Conference 2017** organized by Ashoka Institute of technology & management.

- Attended **International conference** on “Bacteriophages in River Ganga” 2017 organized by Banaras Hindu University.
- Active participation in **National symposium on Biotechnology** 2015 organized by Ashoka Institute of technology & management.

## INDUSTRIAL TRAINING

- Rigorous hands-on training on **Advanced Biotech Techniques** from M.R.D. Life Sciences, Lucknow.
- One-month hands-on training session on important aspects of Biotechnology and handling of various biotech instruments from **Motilal Nehru National Institute of Technology**, Prayagraj.

## TECHNIQUES AND SKILLS

- Basic knowledge of plant tissue culture.
- Basic Microbial Techniques like bacterial culture, gram staining and capsule staining.

**Programming Languages** – Python and R

**Operating System** - All Windows version post Windows XP, Linux

**Tools** - MS Word, MS Excel, R Studio

- Machine learning and data analysis using R studio

## ACADEMIC REFERENCES

**Dr. Rishi Kumar Verma**

Scientist C

Molecular Biology Division

All India Institute of Medical Sciences

Rishikesh, Uttarakhand

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**Dr. Manish Pratap Singh**

LSS-006

Cancer Biology Division

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## DECLARATION

I hereby declare that all the information provided herein above is correct to the best of my knowledge and belief and I promise to abide by all the norms laid down by your esteemed organization.

**Garima Rai**