

Resume

ASHITA RAKWAL

Biotechnology Postgraduate

Himachal Pradesh, India

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PROFESSIONAL SUMMARY

Detail-oriented Biotechnology professional with a Master's degree and specialized expertise in microbiology and molecular biology. Proven track record in executing complex laboratory protocols, including PCR, ELISA, and tissue culture, with a core research focus on nanoparticle synthesis. Passionate about leveraging analytical skills to contribute to innovative research within the biotech and pharmaceutical industries.

TECHNICAL SKILLS

- * Molecular Biology: DNA Extraction, PCR, Agarose Gel Electrophoresis, SDS-PAGE.
- * Microbiology & Cell Culture: Cell Culturing & Harvesting, Tissue Culture, Inverted Microscopy, Haemocytometer.
- * Diagnostic & Lab Techniques: ELISA, Blood Group Testing, Cell Counting, Laboratory Instrument Handling.
- * Data & Bioinformatics: Biostatistics, Basic Bioinformatics.

EDUCATION

Master of Biotechnology | Shoolini University, Solan (2022–2024) | CGPA: 8.4

- * Thesis Project: Green synthesis of CuSO₄ nanoparticles using Rhododendron arboreum and antibacterial evaluation.
- * Key Achievement: Developed an eco-friendly synthesis method for nanoparticles and evaluated their efficacy against bacterial strains.

B.Sc. (Medical: Chemistry, Zoology & Botany) | MCM DAV College, Kangra (2019–2022) |
CGPA: 8.3

* Developed a strong multidisciplinary foundation in life sciences and chemical analysis.

Senior Secondary| xyz school | CGPA:

Matric| abx school | CGPA:

CERTIFICATIONS & TRAINING

* Enzyme Sciences and Technology: NPTEL Certification (2023).

* Professional Development: Completed Capacity Building and Personality Development Workshop.

EXTRACURRICULAR & LEADERSHIP

* Mentorship: Provided academic tuition to school students, simplifying complex scientific concepts.

* Leadership: Demonstrated team management skills through various academic and group projects.

* Interests: Active in wildlife trekking across Himachal Pradesh and competitive sports (Badminton and Kabaddi).

LANGUAGES

* Hindi: Native

* English: Fluent

* Himachali: Regional

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