

SHUBHAM MADDHESIYA

Biotechnology Researcher

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ACADEMIC OBJECTIVE

Biotechnology graduate (2025) with hands-on laboratory research and industrial training experience, currently pursuing an M.Sc in Biotechnology at Central University of Jammu. My long-term goal is to build a career in academia as an Assistant Professor combining research in microbiology and computational biology with a genuine commitment to mentoring the next generation of life science students.

EDUCATION

M.Sc - Biotechnology *Central University of Jammu* | 2026 – 2028 (Ongoing)

B.Sc - Biotechnology *Mahayogi Gorakhnath University, Gorakhpur* | 2022 – 2025

RESEARCH INTERESTS

- Antimicrobial Resistance & Antimicrobial Agents
- Biotechnology & Fermentation Technology
- Bioinformatics & Genomic Data Analysis
- Computational & AI-driven Biology

PUBLICATIONS & PRESENTATIONS

Antimicrobial Activity of Copper on Microorganisms *In Progress*

Undergraduate research project on the antimicrobial mechanism of copper; findings are being prepared for submission as a paper/poster.

M.Sc Research Output *Forthcoming*

Publications and conference presentations arising from ongoing M.Sc research at Central University of Jammu will be added as they are completed.

RESEARCH & LABORATORY EXPERIENCE

Trainee - Antimicrobial Activity of Copper (Mini Project) *Mahayogi Gorakhnath University* | Jan 2025 – Jun 2025

Investigated the antimicrobial effects of copper on microorganisms as part of undergraduate research training.

Good Laboratory Practices Training *Mahayogi Gorakhnath University* | Jul 2023 – Aug 2024

Microbial culture techniques, bacterial culturing, analytical and research skills under GLP standards.

Independent Project Work *Mahayogi Gorakhnath University* | Jun 2023 – Sep 2023

Completed a supervised project on Antibiotic Sensitivity Testing, media preparation, and culturing techniques.

Industrial Internship Trainee *India Glycols Limited* | Jun 2024 – Jul 2024

Industrial exposure to fermentation processes, ethanol production, distillation units, and quality control operations in a large-scale biofuel and biotechnology production environment.

TEACHING & MENTORING

Mentoring 50+ undergraduate students in Biotechnology through one-on-one guidance and an active LinkedIn presence, helping them navigate coursework, research directions, and career choices in the life sciences. Recognized as one of the most active voices in my network, with 1,000+ LinkedIn followers.

TECHNICAL & LABORATORY SKILLS

- Microbial Culturing, Media Preparation & Aseptic Techniques
- Kirby–Bauer Antibiotic Sensitivity Testing & Zone of Inhibition Analysis
- Bacterial & Fungal Identification
- Fermentation Technology & Ethanol Production Process
- Good Laboratory Practices (GLP), Biosafety & Waste Management
- Laboratory Documentation, Equipment Handling & Calibration
- Basic Bioinformatics (Python)

CERTIFICATIONS & TRAINING

- Molecular Docking Workshop — Discovery Boulevard (Aug 2025)
- Data Analytics Job Simulation — Deloitte / Forage (Apr 2025)
- Molecule to Market Job Simulation — Pfizer / Forage (Apr 2025)
- HTML Language — Infosys Springboard (Dec 2024)
- Certified Biotech Sector Financial Modeling — Infosys Springboard (Nov 2024)
- Industrial Internship Certificate — India Glycols Limited (Jul 2024)
- Personality Development Skill — SGBS Unatti Foundation (Jan 2024)
- Environmental Sciences Internship — Internshala (Dec 2023)

AWARDS & SCHOLARSHIPS

To be updated as academic honors and scholarships are earned during my M.Sc and beyond.

REFERENCES

Available upon request.