

Sree Nitya Koppisetty

MSC BIOCHEMISTRY



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Bengaluru



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ABOUT ME

Motivated and detail-oriented MSc Biochemistry student with a strong foundation in molecular biology, analytical techniques, and laboratory research. Skilled in data analysis, experimental design, and scientific writing, with hands-on experience in techniques such as PCR, spectroscopy, and chromatography. Passionate about advancing biochemical research and eager to contribute to innovative projects in academic or industrial settings.

Linkedin- <https://www.linkedin.com/in/sree-nitya-k-2a47b82b9/>

EDUCATION

2024-2026

Mount Carmel College

MSc. Biochemistry

Helped me to gain advanced knowledge of the chemical principles, molecular structures, and metabolic pathways essential to living organisms.

2021-2024

Indian Academy
Degree College

Bsc (Genetics and Biochemistry)

Focused on understanding life processes at the molecular level, including the structure and function of biomolecules and the mechanisms of heredity.

Grade - First class exemplary -A+(CGPA-8.87)

EXPERIENCE

May-July 2025

Aurobindo
Pharmaceuticals,
Hyderabad

Project Trainee (Internship)

During my intensive two-month internship at Aurobindo Pharma, a leading global pharmaceutical company, I had the invaluable opportunity to contribute to the critical intersection of product development and quality assurance within the Formulation and Analytical departments.

Languages Known

-English
-Telugu
-Hindi
-Kannada

My work was specifically focused on the cost improvement products for the nitrosamine team, an area of paramount importance in contemporary pharmaceutical manufacturing and regulatory compliance. This experience provided a deep dive into the practical challenges and innovative solutions required to ensure drug safety and efficacy in an ever-evolving regulatory landscape.

SKILLS

-MS Office
-Review article writing
-Creative writing
-Communication skills
-XRD Analysis
-SEM and TEM analysis using Image J software
-Bioanalytical techniques
-DNA fingerprinting techniques

Microbiology techniques
-Research
-Problem Solving
-Clinical estimation of biological samples
-PCR, NATIVE PAGE, SDS-PAGE
-HPLC
-Dissolution testing
-Related substances

-Assay
-Water Content
-Data analysis
-Document review

Additional Details/Extracurriculars
-Vice president of Nature Club for 2 consecutive years, where the aim of the club was to promote sustainable ways of protecting the environment through various campaigns and social activities.
Participated in various quiz competitions to promote the same.
-Anchoring for various inter and intra college fests.

CERTIFICATIONS AND PUBLICATIONS

Biosensors and Bioanalytical techniques workshop
-DNA Fingerprinting
-Fermentation design principles and processes
-Employability skills
-Medical Biomaterials
-Animal Handling
-CRISPR

Published a review article in the International Journal of innovative research and technology on the topic -Unraveling the Biomedical Potential of Bacterial Cellulose: A Review of Current Research and Future Directions
<https://ijirt.org/Article?manuscript=167785>
-Currently working on a project on the study of Cadmium Nanoparticles extracted from Averrhoa bilimbi and its antitumor properties