

ADITI MISHRA

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Internships

Quality Control and Production Intern

Jun 2025 – Jul 2025

Verka (Doaba Milk corporation)

- Conducted quality control tests for milk and dairy products, including MBRT, Gerber test, and SNF analysis, ensuring compliance with FSSAI and internal quality standards.
- Assisted in monitoring raw milk reception, processing, and packaging quality parameters to maintain product consistency.
- Performed CLR and fat content analysis to assess milk quality and detect adulteration.
- Supported the implementation of standard quality protocols and Good Laboratory Practices (GLP) during daily operations.
- Gained hands-on experience in microbiological testing and hygiene evaluation for dairy products.
- Collaborated with senior QC staff to analyze test results and troubleshoot deviations in milk quality.
- Developed practical understanding of quality assurance, quality control, and food safety management systems in the dairy industry.

Projects

SNP Simulation and Effect Prediction

Apr 2025

- Developed an automated pipeline to translate DNA sequences into protein sequences and compare original proteins with their mutated counterparts.
- By analyzed amino acid substitutions and potential changes in protein structure.
- Was able to predict the functional effects of mutations. This work enhanced the understanding of how genetic variations influence protein function and broader biological processes.
- Integrated molecular biology concepts with computational programming to create a practical, research-oriented bioinformatics tool.

Community Development Project

Jalandhar Welfare Society

Jun 2023 – Jul 2023

- Conducted road safety awareness campaigns, organized blood donation camps, contributed to tree plantation drives, and collaborated on community outreach programs promoting civic responsibility and environmental sustainability.

Certificates

SQL for Data Analytic (Intern shala)

Aug 2025

Bio python (Short Term Course)

Apr 2025

Basics of python (Saylor.org)

Oct 2023

Skills

Languages: python, SQL, MS excel, C ,C++

Technical Skills: Problem-Solving, Data Analysis & Visualization (Excel, Pandas, Matplotlib),Power point, Creo

Education

Lovely Professional University Punjab

Aug 2023 – Jul 2027

Jalandhar, Punjab

B.tech (Biotechnology) — CGPA: 6.78

Noida International Public School

May 2020 – Jun 2021

12th (PCB)— Percentage: 73%

Noida ,Uttar Pradesh

BSP Senior Secondary School Sector X

May 2019 – Jun 2020

10th – Percentage: 81%

Bhilai, Chhattisgarh