

# **ADITI MISHRA**

Bhilai, c h h a t t i s g a r h 495115

7024465589, 9643379946 [✉ aditi.mishra22j@gmail.com](mailto:aditi.mishra22j@gmail.com) [inhttps://www.linkedin.com/in/aditi-mishra-9a0965299](https://www.linkedin.com/in/aditi-mishra-9a0965299)

## **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: 7.23

### **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**

10<sup>th</sup> – Percentage: 81%

Bhilai, Chhattisgarh