

SHIVANI SONI

Vellore Institute of Technology, Bhopal, 466114, India

Phone : (+91) 9890616791 | Email: ashivaniksoni@gmail.com | [Shivani Soni | LinkedIn](#) | [Shivani Soni | Research Gate](#)

PROFESSIONAL SUMMARY

- Analytical and detail-oriented Integrated MSc-Biotechnology candidate with a strong foundation in research, data analysis, and technical writing. Experienced in conducting secondary research, interpreting complex datasets, and collaborating with stakeholders. Proficient in using analytical tools to extract insights and deliver accurate, high-quality results. Interested in applying scientific and data-driven methodologies in Quality and Risk Management to identify potential risks and ensure compliance.
- Interest in Risk Management-** Eager to transition analytical and research capabilities into the risk and compliance domain. Currently self-studying the fundamentals of Anti-Money Laundering (AML), KYC procedures, and adverse media screening through online resources.

EDUCATION

VIT Bhopal University | Bhopal, Madhya Pradesh, India **September 2021- September 2026**
Integrated MSc-Biotechnology; Cumulative GPA: **8.6/10**
MSc. Thesis: About to be done

The Royal Gondwana Public School | Nagpur, Maharashtra, India **March 2020- July 2021**
High School, CBSE Examination; Percentage (Best of 5): **82%**

Kendriya Vidyalaya Vayu Sena | Nagpur, Maharashtra, India **March 2018- July 2019**
Secondary School, CBSE Examination; Percentage (Best of 5): **87%**

INTERNSHIPS AND TRAINING

ICMR- National Institute of Virology, Pune **September 2024- January 2025**

- Conducted molecular cloning of Hepatitis A Virus (HAV) and characterized VP1 protein using SDS-PAGE, ELISA, and Western blotting.
- Maintained detailed experimental documentation, reinforcing accuracy and risk assessment practices.
- Applied structured methodologies to assess outcomes and meet project deadlines.

Rajiv Gandhi Biotechnology Centre, LIT , Nagpur **September 2023- January 2024**

- Engineered iron oxide nanoparticles using Pseudomonas bacteria; performed PGPR testing.
- Conducted secondary research and analysis using SEM, EDX, XRD, and microscopy tools.
- Communicated findings effectively to mentors and peers.

PROJECTS

Breast cancer risk prediction using machine learning algorithm **Dec 2022 – May 2023**

- Led a two-member team in building a predictive model using Random Forest, improving diagnostic reliability.
- Analyzed datasets and documented model findings using Python and MATLAB.

Data interpretation on ECG examinations and other related factors using tableau **Aug 2022- Oct 2022**

- Created interactive dashboards using Tableau to analyze ECG datasets.
- Interpreted patterns to generate actionable insights from large datasets.

CERTIFICATIONS AND ACHIEVEMENTS

- Validated industrial monoclonal antibody prototypes under BIRAC.
- CSIR-108th Indian Science Congress Quiz participant.
- Coursework in Python for Genomic Data Science and DNA sequencing algorithms.
- Participated in VERZO-IIT Bombay for genomic data analysis.

LEADERSHIP ROLES & RESPONSIBILITIES

- Led innovation initiatives with SEDS Nebula at VIT Bhopal (Sep 2022 – Mar 2023).
- Content curator for AdvITya'23 magazine, blending technical writing with visual communication (Feb 2023).

RELEVANT SKILLS

- Strong analytical and documentation skills, Detail-oriented; able to follow structured procedures and assess risk.
- Excellent English writing and communication. Stakeholder communication and collaboration.
- Proficient in secondary research using online databases and datasets.
- Familiar with principles of KYC, AML, and risk screening.