

Curriculum Vitae

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Career summary

Highly motivated and enthusiastic student with a strong background in biotechnology. Committed to leveraging my skills, knowledge, and passion to contribute to the development and innovation of the field, while utilizing my expertise in bioinformatics, genomics, coding, and laboratory procedures. Capable of following instructions from superiors and performing independently with limited supervision.

Education

M.Sc. Bioinformatics

2024 - 2026

Jamia Millia Islamia, Delhi

SGPA: 9.64

Bachelor of Science (Honors) Biotechnology

2019 - 2022

B.N. College Patna University, Patna

CGPA: 7.79/10

10+2

2017 - 2019

Rajkiyakrit Town inter college(BSEB)

Percentage scored: 73%

10th

St. Ignatius School (CBSE)

2007-2017

CGPA: 7.6/10

Internship

- Two-month internship on the topic "Multi omics Data Science toolkit: Basics to Advanced" at NextGen helper, New Delhi.
- One month training-Patna Dairy Project, Patna. Quality control and quality assurance (chemical and micro-biological analysis of milk and milk products).

Skills

- C++, R, Python, basic programming skills.
- NGS - Bowtie2, SRA-toolkit, SAM-tools, Cufflinks, Cuffdiff.
- Knowledge of Basic Bioinformatics Tools (BLAST, SWISS-MODEL, PyMol,)
- Docking, Cytoscape, Cell Designer

Certification

- How to Plan and Systematic review paper held at Dr. Zakir Husain Library, Jamia Millia Islamia.
- Molecular Docking workshop with a hands-on session using AutoDock vina and PyRx tools, conducted by research Boulevard Technologies.
- Introduction to Bioinformatics and its Advancements (Biocode).
- Supervised Machine Learning with python.
- Attended webinar – Application of next generation sequencing in molecular medicine and Application of Thin Layer Chromatography in Pharmacology.

Current project

- Making a website that takes differentially expressed genes (DEGs) as an input and perform pathway enrichment, disease relation and also suggest drugs for them.
- Link of the website: <https://biocontext-mqzqqjs3bbe4w7bp2cbayp.streamlit.app/#gene2therapy>

Language

- English
- Hindi: Mother tongue
- Urdu: Mother tongue