Loga Sowndharya K

Bioinformatics

Tiruchirappalli, TN 📍

9944980696 📞

logasowndharya16@gmail.com ✉

Professional Summary

Dedicated bioinformatics student with a strong foundation in computational biology and data analysis. Experienced in vaccine design, genomics, and molecular docking, with hands-on experience in computational tools like BLAST, PyMOL, and Swiss-Model. Proficient in Python, SQL, and computer applications for bioinformatics research. Passionate about advancing scientific innovation through computational approaches.

Projects and Workshops

Project on going : 03/01/2025 - Present

Vaccine Design for Omicron Variant – Conducted computational analysis and applied immunoinformatics techniques to design a potential vaccine candidate against the Omicron variant. Utilized genomics, proteomics, and molecular docking to evaluate vaccine efficacy and improve design accuracy.

IIT Madras Workshop : 18/01/2025 - 19/01/2025

Applied deep learning and AI techniques using Python to solve biological data challenges and improve predictive modeling in bioinformatics

Education

2019 - 2020 SSLC	British Matriculation School 96%	
2020 - 2022 High School	St. Joseph Anglo Indian Higher Secondary School 86.3%	
2022 - 2026 University	SASTRA Deemed University 8.7 CGPA	

Skills And Tools

- **Programming** : Python, HTML, CSS, JavaScript, SQL, PHP.
- **Bioinformatics Tools** : BLAST, PyMOL, Swiss-Model, Maestro.
- **Techniques** : Genomics, Proteomics, Molecular Docking.
- **Machine Learning** : Deep Learning, Artificial Intelligence (AI)

Languages

- Tamil
- English.