

GANAVI GOWNIVARI

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OBJECTIVE

Recent graduate with a strong foundation in data analysis, and data visualization. Skilled in utilizing tools such as Python, SQL, and power Bi to interpret and analyze data. Seeking to leverage analytical and problem-solving skills to provide actionable insights and support data-driven decision-making in a dynamic organization. Eager to contribute to the team and grow professionally in the field of data analytics.

EDUCATION

Vignan's University, Guntur, Andhra Pradesh

2021–2025

Bachelor in Technology, Bioinformatics

Current CGPA: 8.03

SKILLS

Technical

Programming & Skills: C programming, Python, SQL at basic level.

Software & Tools: Power BI, Python Libraries, Microsoft Office.

Bioinformatics Skills & Tools: Bioinformatics Databases: Familiar with various biological databases like NCBI, PDB, UniProt, Genbank and tools to retrieve and analyze data from these sources.

Sequence Analysis: Experience with sequence alignment, motif finding, and working with tools like BLAST, ClustalW, and FASTA.

Structural Bioinformatics: Understanding of protein structure prediction, molecular docking, and visualization using tools like PyMOL, Chimera, and AutoDock.

Pathway and Network Analysis: Experience in analyzing biological pathways and networks using tools like Cytoscape.

Data Management: Experience in handling large datasets, data cleaning, preprocessing, and storage using SQL and other data management tools.

Epitope Prediction: Familiarity with tools like NetMHC, BepiPred, and IEDB for predicting T-cell and B-cell epitopes.

Protein Structure Prediction: Experience with tools like SWISS-MODEL, and Modeller to predict the 3D structure of proteins.

Vaccine Design Tools: Experience with platforms like VaxiJen and Vaxign for designing multi-epitope vaccines.

Biotechnology Skills: DNA isolation, PCR, Agarose Gel Electrophoresis, Polyacrylamide Gel Electrophoresis, Western blotting.

Non-Technical

Public speaking, Communication Skills, Leadership Qualities.

PROJECTS

Pan proteomic analysis for Bacterial meningitis causative organisms

Interdisciplinary project

Pan-proteomic analysis of bacterial meningitis causative organisms identifies protein biomarkers and therapeutic targets, enhancing diagnostics and treatment strategies by comprehensively profiling the proteomes of pathogens involved in the disease.

CERTIFICATIONS

Preliminary English Test (PET) – Cambridge University, conducted at VFSTR

Introduction to Databases Version Control Database structure and management with MySQL Advanced MySQL – Coursera

Power BI Python Libraries – Infosys Springboard

ACTIVITIES

- Member , Vignan's University Alumni club
- Event coordinator for multiple events , Vignan's university

LANGUAGE

- Telugu
- English
- Kanada
- Hindi