



Job Title: Intern - Computational Biology / Bioinformatics (Testing)

Location: Bengaluru, Karnataka, India

Company: Quantumzyme

About Us: Quantumzyme is a leading company in the field of biocatalysis, leveraging cutting-edge technology to provide sustainable and efficient solutions for the chemical, pharmaceutical, and other manufacturing industries. Our mission is to revolutionize the way chemicals are produced, making processes greener and more cost-effective.

Job Description:

Position Overview:

We are seeking a motivated Bioinformatics / Computational Biology Intern to assist in the testing and validation of automated computational pipelines. The intern will work hands-on with molecular docking workflows, execute and test codes, and support Python-based automation efforts. This role provides practical exposure to docking methodologies, pipeline testing, and computational biology tools in a research-driven environment.

Key Responsibilities:

- Test and validate automated computational pipelines related to molecular docking.
- Validate pipeline outputs and report inconsistencies or errors.
- Collaborate with developers and researchers to ensure pipeline robustness and accuracy.
- Maintain documentation related to testing procedures and results.

Required Skills:

- Strong understanding of molecular docking concepts, including various types of docking (e.g., rigid docking, flexible docking, protein-ligand docking, etc.).
- Ability to run and test docking codes and workflows.
- Python scripting skills for automation, testing, and analysis.

Additional Skills or Optional skills:

- Basic working knowledge of CP2K and GROMACS

Hardware Requirement:

- Candidate must have an MSI laptop capable of running computational tools and scripts.

Qualifications:

The internship is open to candidates who have completed or are currently pursuing B. Tech, M.Sc., or MTech in Bioinformatics or Computational Biology; MTech candidates are preferred.

Duration: 6 months

How to Apply: Interested candidates are invited to send their resume to rakshitha.shettar@quantumzyme.com