

Job Title: Intern - Insilico

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: As an Intern in Insilico Team at Quantumzyme, you will engage in various bioinformatics and computational biology projects. This role provides a valuable opportunity to gain hands-on experience and contribute to scientific research.

Key Responsibilities:

- Grasp the requirements of the project.
- Assist team members in delivering results and reports on time.
- Contribute to the preparation of reports, presentations, and scientific publications.
- Conduct independent literature searches to extract meaningful information.
- Represent complex data with proper analysis and visualization.
- Be adaptable and willing to work with different technologies.

Required Skill:

- Basic understanding of protein structure, enzyme function, molecular interactions and organic chemistry.
- Familiarity with molecular docking and/or molecular dynamics concepts.
- Working knowledge in Python/Shell (Bash) scripting.
- Experience with small-molecule docking using Autodock and Autodock Vina.
- Experience in molecular visualization tools (PyMOL, VMD, Chimera).
- Good communication and ability to collaborate with both insilico and invitro scientists.

Additional Skill:

- Experience with Gromacs/OpenMM.

Qualifications:

- M.Tech /M.Sc. in Bioinformatics/Computational biology/Biotechnology/Chemical Engineering.

Duration:

- 6+ months

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