

AKASH

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Portfolio: <https://voidomin.github.io/resume-website/portfolio/>

PROFESSIONAL SUMMARY

Data-driven Development Engineer with hands-on experience building analytics solutions and optimizing data pipelines. Proficient in SQL, Python, and data visualization. Proven track record of implementing metrics frameworks and automating reporting systems to drive product insights.

WORK EXPERIENCE

Development Engineer, Merck Life Science, Bangalore

January 2024 – July 2025

- Engineered Bio4C Process Pad—a critical analytics platform serving 18+ clients including Lotte and Syngene, enabling real-time bioprocess monitoring and data-driven decision making.
- Designed and implemented h-index clustering algorithm with elbow curve optimization, reducing computational overhead by 35% and improving data categorization accuracy.
- Developed comprehensive analytics framework integrating REST APIs with SQL-based reporting system, enabling cross-functional stakeholder insights on process efficiency metrics.
- Tech stack: JavaScript, React, Next.js, Node.js, SQL, Python, REST APIs, Git/GitHub

Research Intern (Student Researcher), Indian Institute of Science (IISc), Molecular Biophysics Dept

2023 – 2024

- Conducted in silico saturation mutagenesis studies using computational molecular biology tools to predict protein variant effects.
- Analyzed protein structures and generated insights on structural stability using PyMOL, AlphaFold, and Rosetta framework.
- Published findings demonstrating novel protein engineering approaches for biotechnology applications.

PROJECTS

Param Adventures

Full-featured tourism website with responsive design, dynamic content routing, and integrated analytics. [Link](#)

Todo Application

Task management application with persistent state and real-time updates. [Link](#)

SKILLS

SQL, Python, JavaScript, Data Analysis, REST APIs, React, Excel, Analytical Thinking

EDUCATION

Masters in Molecular & Cellular Biology

MS Ramaiah University | 2024

Bachelors in Biotechnology

Dayananda Sagar University | 2023

PUBLICATIONS

Published research on protein variant analysis and biotechnology applications

AWARDS & RECOGNITION

- 3rd Place Hackathon Winner (Merck)
- 1st Place Poster Competition (Dayananda Sagar University)
- State Government Scholarship