

Nayan Kasturi

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SUMMARY

As a motivated and curious aspiring Bioinformatician, I possess strong analytical, technical, and problem-solving abilities. I am actively seeking opportunities across diverse fields to gain valuable experience while supporting my ongoing studies. Eager to learn and grow, I am committed to expanding my knowledge and skills while contributing effectively to your organization.

WORK EXPERIENCE

- **Team Lead | Viral Fission | Mumbai, India | June 2021 - Present**
Successfully lead and mentored a team of 40 interns, fostering a collaborative environment and ensuring timely task completion.
 - **Research Intern | Indian Women Scientists' Association (IWSA) | Washi, Mumbai, India | December 2022 - February 2022**
Conducted & presented composting research, monitoring and analyzing key variables, resulting in a 15% improvement in composting efficiency.
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PROJECTS

- **Protein Research Toolkit | Academic Project |**
<https://github.com/RaannaKasturi/ProteinResearchToolkit> | **March 2024 - April-2024**
Creating a JDBC-based Java Desktop Application featuring an engaging GUI tailored for Bioinformatics Professionals, encompassing essential tools to facilitate seamless workflow and data analysis.
 - **Bookstore Management System | Academic Project |**
<https://github.com/RaannaKasturi/Bookstore-Manager> | **October 2023 - December 2023**
Developed a console-based Bookstore Management System with the team, optimizing customer information management and book purchasing processes, resulting in enhanced efficiency and streamlined operations, with comprehensive documentation and reporting capabilities.
 - **VILID Colabs | Personal Project |** <https://github.com/RaannaKasturi/VILID-Colabs> | **January 2022 - July 2023**
Developed and maintained VILID Colabs, a Google Colab edition of VILID (Vocabulary Impelled Limitless Imagination Design), which successfully converted text into precise, captivating visual designs.
 - **ANNA | Personal Project |** <https://github.com/RaannaKasturi/ANNA> | **April 2023 - June 2023**
Designed ANNA (Artificial Neural Net Assistant), an advanced linguistic program leveraging APIs to understand inputs and provide users with accurate answers.
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EDUCATION

- **Masters in Bioinformatics | Guru Nanak Khalsa College of Arts, Science & Commerce | Matunga, Mumbai, IN | 2025**
 - **Bachelor of Science in Biotechnology | 7.91 CGPA | SIES College of Arts, Science & Commerce | Sion, Mumbai, IN | 2023**
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CERTIFICATIONS

- **Certificate of Excellence - Best Group | NyBerMan Bioinformatics, Europe | 2024**
This recognition acknowledges outstanding contributions to group projects and demonstrates strong teamwork skills.

COURSEWORK

- **Introduction to Next Generation Sequencing and Whole Genome Sequencing for Beginners** | NyBerMan Bioinformatics, Europe | NGS & WGS | 2024
 - **Git, GitHub & Markdown Crash Course: Learn Git, GitHub & MD** | Udemy | Git & GitHub | 2023
 - **Introduction to Statistics & Machine Learning in Bioinformatics** | G. N. Khalsa College, Matunga | Python & ML | 2023
 - **Advanced Instrumentation Techniques** | SIES School of Packaging - Packaging Technology Centre | Chromatography Techniques | 2022
 - **Photography Skill Enhancement Workshop** | SIES College of Arts, Science & Commerce, Sion | Photography & Post-Processing | 2022
 - **Astrobiology and the Search for Extraterrestrial Life** | The University of Edinburgh (Coursera) | 2021
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INVOLVEMENT

- **Srijana (National Level Poster Competition)** | G. N. Khalsa College | Participant | February 2024 - February 2024
Presented research poster to both research scholars and industrialists, showcasing findings and implications for academia and industry stakeholders.
 - **BION'24 | G. N. Khalsa College | Graphic Designer** | October 2023 - January 2024
Crafted captivating graphics and posters for BION, the Departmental fest of the Department of Bioinformatics at G. N. Khalsa College, utilizing Canva and Figma, while employing Adobe AfterEffects to create mesmerizing videos, enhancing event promotion and engagement.
 - **BION'24 | G. N. Khalsa College | Website Developer** | November 2023 - December 2023
Designed and developed the comprehensive website for BION, the Departmental fest of the Department of Bioinformatics at G. N. Khalsa College, leveraging WordPress, Schema, SEO, and CDN technologies to enhance functionality, searchability, and performance.
 - **Nirmitee Kendra | SIES College of Arts, Science & Commerce | Content & Creatives Volunteer** | August 2021 - April 2023
Created 50+ digital graphics, conducted research on life values, and provided social media caption suggestions.
 - **Skyline Newsletter | SIES College of Arts, Science & Commerce | Content & Creatives Volunteer** | August 2021 - March 2023
Created 100+ digital graphics & elements, conducted research on life values, and provided social media caption suggestions.
 - **Visions: Apocryphal | SIES College of Arts, Science & Commerce | Volunteer** | October 2021 - January 2022
Volunteered with Shields Team to manage crowd control and facilitate effective communication between various teams during Visions events.
 - **Bharat Scouts & Guides | G. N. High School, Dadar | Scout** | June 2016 - March 2018
Achieved A grade upon successful completion of a two-year Scout Training Program with BSG, demonstrating proficiency in essential scouting skills and principles.
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SKILLS

- **Bioinformatics:** Molecular Docking, Sequence & Structure Alignment, NGS Pipeline, Research Paper Writing, Analysis & Summarization.
- **Programing Skills:** Python (Backend), C++, SQL, Java (JDBC & Swing)
- **Web Skills:** WordPress, SEO, Image SEO, CDN & SSL management (Cloudflare & Quic Cloud)
- **AI & Graphics Skills:** Graphic Designing, AI Image Generation, AI-based Image Modification, AI Description Generation.
- **Literary Skills:** Poetries, Letters, Emails, Essays, Research Summary.
- **Sports:** Cycling, Badminton, Tug of War.