

# Nayan Kasturi

📍 Mumbai, Maharashtra, India   ✉ raannakasturi@gmail.com   ☎ +918104594459   🌐 in/raannakasturi   🌐 nayankasturi.eu.org

---

## SUMMARY

I combine a strong foundation in Python and bioinformatics to explore data-driven insights in biology and medicine. With a focus on computational biology and healthcare, I aim to collaborate with professionals and organizations advancing science through innovative technology.

---

## EXPERIENCE

### Intern/Team Leader

#### Viral Fission

November 2021 – August 2024, Mumbai, Maharashtra, India · Remote

- Led a team of 25–30 ambassadors, optimizing communication and processes to improve task completion, efficiency, and productivity.

### Project Intern

#### Indian Women Scientists' Association

February 2023 – March 2023, Navi Mumbai, Maharashtra, India · Hybrid

- Conducted a literature review, designed composting experiments, and presented findings, improving process efficiency by 15%.

---

## PROJECTS

### ReXplore: Simplifying Science, Amplifying Knowledge

- Developed an AI-based project that fetches research papers, generates simplified summaries, and creates interactive mind maps, reducing research time by 50% and enhancing comprehension.

### Project Gatekeeper: All-in-One SSL Toolkit

G. N. Khalsa College, Matunga · [projectgatekeeper.vercel.app/](https://projectgatekeeper.vercel.app/) · June 2024 – October 2024

- Automated SSL certificate generation, reducing costs by 99% and securing 23+ websites in under 10 minutes each.

### Protein Research Toolkit

G. N. Khalsa College, Matunga · [github.com/RaannaKasturi/ProteinResearchToolkit](https://github.com/RaannaKasturi/ProteinResearchToolkit) · October 2023 – March 2024

- Developed a Java-based protein toolkit that reduced visualization and alignment time by 40%, streamlined research workflows by 50%, and ensured 100% cross-platform compatibility.

---

## EDUCATION

### Master's of Science in Bioinformatics

Guru Nanak Khalsa College of Arts Science & Commerce · Matunga, Mumbai · May 2025

- Pursuing M.Sc. in Bioinformatics, focusing on databases, algorithms, and biological techniques, while also developing and managing the official BION'24 and BION'25 websites. Volunteered for graphic design and technical support to ensure successful event execution.

### Bachelor's of Science in Biotechnology

SIES College of Arts, Science & Commerce · Sion, Mumbai · April 2023 · 7.91

- Earned a Bachelor's in Biotechnology with a 7.91 CGPA from SIES College, interned at IWSA, gaining composting and problem-solving skills. Developed graphic design and content creation expertise through extracurricular roles, refining creativity, teamwork, and communication abilities.

---

## INVOLVEMENT

### Volunteer Staff

Visions, SIES College of Arts, Science & Commerce SION(W)

### Research Presenter

SRIJNA – GNIRD, G. N. Khalsa College, Matunga · February 2024 – Present

### Wordpress Designer

Guru Nanak Khalsa College, Matunga, Mumbai (Autonomous) · January 2024 – Present

### Volunteer

BION'24 | Department of Bioinformatics | GN Khalsa College, Matunga · January 2024 – Present

### Content & Creatives Volunteer

Skyline Newsletter & Nirmitee Kendra, SIES College of Arts, Science & Commerce SION(W) · August 2021 – March 2023

---

## CERTIFICATIONS

---

### A Complete Guide to Java Programming with Examples

Udemy • 2024

### MedEngage Observership

Metropolis Healthcare • 2024

### Python Programming for Beginners | Full Course in Hindi

Udemy • 2024

### The Python 3 Certification Course

Udemy • 2024

### Machine Learning

AcmeGrade • 2024

### Introduction to Next Generation Sequencing and Whole Genome Sequencing for Beginners

NyBerMan Bioinformatics Europe • 2024

### 60-hrs Hands-On Training Program in Molecular Biology

National Facility for Biopharmaceuticals • 2024

### Advanced Instrumentation Techniques

SIES School of Packaging – Packaging Technology Centre • 2022

### Photography Skill Enhancement Workshop

SIES College of Arts, Science & Commerce SION(W) • 2022

### Astrobiology and the Search for Extraterrestrial Life

Coursera • 2021

### Git, GitHub & Markdown Crash Course: Learn Git, GitHub & MD

Udemy • 2016

---

## SKILLS

---

Industry Knowledge: Research Skills, Flow Cytometry, Programming, Graphics Designing, Molecular Docking, Next-Generation Sequencing (NGS), Report Writing, Laboratory Skills, Scout Leadership, Digital Photography, Server Management

Tools & Technologies: Java, Git, Python, Canva, Flutter, Javascript, HTML, CSS, Postgres, MySQL, Docker, Github Actions, WordPress

---