Shrushti Salunke

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Profile Summary:

I am a highly motivated MSc Bioinformatics graduate with strong foundation in biological sciences complemented by a deep understanding of modern bioinformatics tools, allowing me to translate biological questions into computational solutions. As a quick learner and logical thinker, I excel at analytical, comparative, and critical thinking. This enables me to dissect intricate problems, identify patterns, and develop effective solutions. I am constantly eager to expand my knowledge and embrace new technologies, making me a valuable asset in fast-paced work environments.

Work experience:

- **Internship at GeneArche Wellness Pvt Ltd.** (July 2025 – September 2025)
  Worked on projects including database curation and API handling, Genomics data handling using various tools.
- **Jr. Bioinformatics scientist at GeneArche Wellness Pvt Ltd.** (October 2025 – Present) – Pharmacogenomics database development, database handling using SQL.

Educational background :

- **Master of Science in Bioinformatics** (August 2022 - June 2024) – 9.70 CGPA
  Bioinformatics Centre, Savitribai Phule Pune University at Pune, Maharashtra
- **Bachelor of Science in Biotechnology** (June 2018 - April 2021) – 82.85%
  MES Abasaheb Garware College of Arts and Science affiliated to Savitribai Phule Pune University, Pune, Maharashtra.
- **Higher secondary Certificate**(June 2016 – February 2018) – 90.45%
  HHCP higher secondary school
- **Secondary School Certificate** (June2016) – 95.40%
  Hujurpaga secondary school

Honors and Awards:

1. Qualified in all India Graduate Aptitude Test-Biotechnology (**GAT-B**) 2022
2. Selected for **DBT** (Department of Biotechnology) fellowship from the Ministry of Education Government of India

Key Skills :

- Programming languages like Perl, Python, statistical scripting R along with Front end development languages such as HTML, CSS, and Javascript.
- Database management using mySQL and PHP.
- Software testing skills with the experience in manual and automation testing using Jmeter, Bugzilla like tools.
- Command line environment of Linux shell scripting
- Strong understanding of statistical principles
- Biological data curation and analysis using various bioinformatics tools
- AI and machine learning

- Skilled in Prompt Engineering
- Good data handling and strong analytical skills
- Experience in MS office applications including MS excel data analysis/management and MS PowerPoint Presentation creation.

Projects :

- Computational studies on Human Leukocyte Antigen-I peptide T-cell Receptor interactions by developing a machine learning model within the field of Immunoinformatics.
- Development of the database of anti HSV peptides (ongoing) under the guidance of Dr. Sintu kumar Samanta, Assistant professor , IIIT Prayagraj, Uttar Pradesh, India.

Workshops and Courses :

- Certificate Course on **Introduction to Data Science** completed from EdX platform
- Certificate course on **Python basics for Data science** offered by IBM on edX platform :
  https://www.credly.com/badges/88286213-85ee-4ad5-a592-1156b0b312bb
- Generative AI workshop : January 2024

  Savitribai Phule Pune University, Pune.

  Attended 2-days workshop on Genrative AI applications in Scientific Research and Industrial Problems.
- Workshop on NGS data analysis : March 2023

  Savitribai Phule Pune University, Pune.

  Workshop on NGS data analysis of viral and clinical data to gain handson experience of illumina tools and data.