

Sarani NATIVEL-SANTERNE

Bioinformatician

Email: sarani.nativelsanterne@gmail.com

Portfolio: sarani-ns.github.io/That-Platypus.io

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EDUCATION

University of Lille

Master's in Bioinformatics

Villeneuve d'Ascq, France

Sept. 2023 – Sept. 2025

University of Lille

Bachelor's in Biology of Organisms and Populations

Villeneuve d'Ascq, France

Sept. 2020 – May 2023

SKILLS

Tech Stack: : Bash, Python, R, LaTeX, PostgreSQL, Biostatistics, Machine Learning

Bioinformatics: : Quality control (**FastQC**, **NanoPlot**), Assembly (**SPAdes**, **Flye**, **Myloasm**, **Raven**), Taxonomy assignment (**BLAST**, **QIIME2**, etc.)

Transferable Skills: : Research, autonomy, curiosity, adaptability, patience

Languages: French (Native), English (bilingual), Spanish (professional working proficiency), Hindi (elementary proficiency), Latin, basic knowledge of Odia

EXPERIENCE

GD Biotech

Bioinformatician (Apprenticeship) - Supervised by Mr. BONARDI Franck

Lille, France

Sept. 2024 – Present

- **Research:**

- Conducted a research project on the Eukaryome: performed a literature review, compared the **EUKARYOME** and **SILVA** databases, and analyzed raw WGS ONT sequencing data.
- Processed various sequencing datasets (16S, WGS, ONT, Illumina), from quality control to assembly and taxonomic assignment. Worked on phages, microeukaryotes, and bacteria.

- **Industry:**

- Analyzed microbiome datasets and computed diversity metrics using **QIIME2** and **R** packages.
- Prepared and delivered technical reports for clients.

UMR 8198 Evo-Eco-Paleo - University of Lille

Bioinformatician (Internship) - Supervised by Dr. LEGRAND Sylvain

Villeneuve d'Ascq, France

May 2023 – June 2023

- **Variants Analysis:** Analyzed the presence of insertions in the genome of *Arabidopsis halleri* using **Python** and **R**. Created a scientific poster summarizing the findings.

REFERENCES

Mr. BONARDI Franck: Apprenticeship supervisor at **GD Biotech** — f.bonardi@genesdiffusion.com

Dr. LEGRAND Sylvain: Internship tutor at the **University of Lille** — sylvain.legrand@univ-lille.fr