

# Sarani NATIVEL-SANTERNE

## Bioinformatician

**Email:** [sarani.nativelsanterne@gmail.com](mailto:sarani.nativelsanterne@gmail.com)

**Portfolio:** [sarani-ns.github.io/That-Platypus.io](https://sarani-ns.github.io/That-Platypus.io)

**LinkedIn:** [linkedin.com/in/sarani-nativel-santerne](https://linkedin.com/in/sarani-nativel-santerne)

### EDUCATION

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#### University of Lille

*Master's in Bioinformatics — topper: 15.44/20*

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

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**Tech Stack:** : **Python, R, LaTeX, PostgreSQL, Bash**, Bioinformatics (Quality control [**FastQC**, **NanoPlot**], Assembly [**MegaHit**, **Flye**, **Canu**, **Raven**], Taxonomy assignation [**BLAST**, **QIIME2**], etc.), Biostatistics, Machine Learning

**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

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#### 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 on the topic, analyzed raw 18S ONT sequencing data and compared it to prior 18S Illumina data.
- Processed several sequencing datasets (16S, WGS, ONT, Illumina) from quality control to assembly and taxonomy assignment.

- **Industry:**

- Analyzed microbiome data, computed diversity metrics and statistics using (**R** packages and **QIIME2**).
- 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.

### RECOMMENDATIONS

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**Mr. BONARDI Franck:** Apprenticeship supervisor at **GD Biotech** — [f.bonardi@genesdiffusion.com](mailto:f.bonardi@genesdiffusion.com)

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