# Sarani NATIVEL-SANTERNE

## Bioinformatician

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**Portfolio:** sarani-ns.github.io/That-Platypus.io
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## EDUCATION

**University of Lille**                                    Villeneuve d'Ascq, France
*Master's in Bioinformatics*                                    Sept. 2023 – Sept. 2025

**University of Lille**                                    Villeneuve d'Ascq, France
*Bachelor's in Biology of Organisms and Populations*                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**                                                    Lille, France
*Bioinformatician (Apprenticeship) - Supervised by Mr. BONARDI Franck*        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**                Villeneuve d'Ascq, France
*Bioinformatician (Internship) - Supervised by Dr. LEGRAND Sylvain*            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