

Sarani NATIVEL-SANTERNE

Bioinformatician

Email: sarani.nativelsanterne@gmail.com

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

LinkedIn: linkedin.com/in/sarani-nativel-santerne

EDUCATION

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

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

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

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