

Sarani NATIVEL-SANTERNE

Bioinformatician

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EDUCATION

Université de Lille

Masters in Bioinformatics; major: 15.44/20

Villeneuve d'Ascq, Lille, France

Sept. 2023 – Sept. 2025

Université de Lille

Bachelors in Biology of Organisms and Populations

Villeneuve d'Ascq, Lille, France

Sept. 2020 – May 2023

SKILLS

Tech Stack: : Python, R, LaTeX, Bash, Bioinformatics tools (BLAST, QIIME, etc.), Biostatistics (Survival analysis, Differential RNA-seq analysis, Discriminatory analysis, PCA, Clustering), Machine Learning

Transferable Skills: : Research, Autonomy, Curiosity, Adaptability, Patience

Languages: : French (Native), Reunionese Creole (Native), English ([Bilingual](#)), Spanish (Professional Working Proficiency), Japanese (Limited Working Proficiency), Hindi (Elementary Proficiency), Latin, notions of Odia

EXPERIENCE

GD Biotech

Bioinformatician (apprenticeship)

Lille, France

Sept. 2024 – Present

- **Research:** Pursued a research project about the Eukaryome. Analyzed raw 18S sequencing data.
- **Industry:** Analyzed microbiome data using R packages (phyloseq, microbiome, microbiomeutilities). Computed statistics and diversity metrics using QIIME.

Université de Lille

Bioinformatician (internship)

Villeneuve d'Ascq, Lille, France

Aug 2023 – Mar 2024

- **Variants Analysis:** Analyzed the presence of insertions in the genome of *Arabidopsis halleri* using Python and R. Created a [scientific poster](#) to summarize findings.

CERTIFICATIONS

Online courses: Completed several online courses (certifications available [here](#)).

Diplomas: [Baccalaureate](#) (2019, with highest honors), [Bachelor's degree](#) (2023, with honors)

PROJECTS

Participation to the HackBio online internship: A 5-stages online internship exploring different aspects of bioinformatics. All codes and productions are available [here](#), as well as the [certificate of participation](#). Developed a [website](#) to summarize the work done at HackBio for a university class.

Platypus Genome Literature Review and bioinformatics analysis: Currently writing a literature review about the platypus' genome and re-doing past bioinformatics analysis on the latest platypus genome.