



# TAINÁ MACHADO SELAYARAN

## CONTACT INFORMATION

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Location: Porto Alegre, Rio Grande do Sul, Brazil

## PERSONAL PROFILE

Passionate about combining technology and science, I am seeking internship or job opportunities in bioinformatics, particularly in genomics and transcriptomics, to gain professional experience and contribute to innovative projects.

## HARD SKILLS

- Programming languages: Python, R, and Shell scripting; basic knowledge of C and Java.
- Bioinformatics tools: Experience with genomic assembly, annotation, and phylogenetic analysis pipelines.
- Database management: Intermediate proficiency in SQL.
- Data analysis: Expertise in statistical analysis and visualization.
- Software Development: Agile methodologies, Scrum, and software engineering.

## SOFT SKILLS

- Strong analytical and problem-solving skills.
- Detail-oriented and organized.
- Collaborative and committed team player.
- Effective communicator with a peaceful and professional demeanor.

## EDUCATION

**BIOINFORMATICS (UNDERGRADUATE)**  
POLYTECHNIC INSTITUTE OF SETÚBAL, BARREIRO SCHOOL OF TECHNOLOGY, PORTUGAL | ACADEMIC EXCHANGE (2024–2025)

**BIOMEDICAL INFORMATICS (UNDERGRADUATE)**  
FEDERAL UNIVERSITY OF HEALTH SCIENCES OF PORTO ALEGRE (UFCSPA), BRAZIL | EXPECTED GRADUATION: 2026

**TECHNICAL DEGREE IN CHEMISTRY (INTEGRATED WITH HIGH SCHOOL)**  
FEDERAL INSTITUTE OF RIO GRANDE DO SUL, CAXIAS DO SUL CAMPUS, BRAZIL | GRADUATED IN 2019

## PROFESSIONAL EXPERIENCE

**UNDERGRADUATE RESEARCH FELLOW – GENOMICS**  
RESPIRATORY VIRAL INFECTIONS PROJECT IN RIO GRANDE DO SUL  
FUNDED BY CNPQ | 2024

- CONDUCTED BIOINFORMATICS ANALYSES FOR VIRAL GENOMICS.
- UTILIZED PYTHON AND R FOR DATA ANALYSIS AND VISUALIZATION.
- DEVELOPED INSIGHTS INTO RESPIRATORY VIRAL INFECTION PATTERNS THROUGH GENOMIC DATA.

**INTERN – BIOINFORMATICS AND GENOMIC SURVEILLANCE DIVISION**  
CENTER FOR SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT, STATE HEALTH SURVEILLANCE CENTER OF RS | 2022–2024

- DEVELOPED AND MANAGED A COMPREHENSIVE GENOME SEQUENCING DATABASE.
- AUTOMATED TASKS USING PYTHON AND R, ENHANCING EFFICIENCY IN ANALYSIS AND REPORT GENERATION.
- PERFORMED GENOMIC ASSEMBLY, GENE ANNOTATION, AND PHYLOGENETIC ANALYSES USING COMMAND-LINE TOOLS AND PIPELINES.

**LABORATORY ASSISTANT**  
LABORATÓRIO LAVIN LTDA., BRAZIL | 2020–2022

- CONDUCTED PHYSICAL-CHEMICAL AND MICROBIOLOGICAL ANALYSES, INCLUDING TITRATION, SPECTROPHOTOMETRY, AND MICROBIAL TESTING.
- ENSURED COMPLIANCE WITH QUALITY CONTROL STANDARDS IN LABORATORY PROCESSES.

## LANGUAGES

ENGLISH: INTERMEDIATE (B2 LEVEL)  
PORTUGUESE: NATIVE