

Hera Dashnyam

16 Miami Cmns, Oxford, OH 45056, Data Analytics Junior Specializing in Bioinformatics & Environmental Science
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EDUCATION

MIAMI UNIVERSITY

Bachelor of Science

Data Analytics (Bioinformatics)

Co-Major in Environmental Science.

- Completed coursework in Python and R, applying these languages to analyze and model datasets of 10,000+ sequences in bioinformatics projects, and gained hands-on experience with tools such as BLAST and GenBank for genomic data analysis.

Oxford, OH
December 2025

KOREA UNIVERSITY

Study Abroad

Environmental Science

- Engaged in a diverse academic environment, enhancing skills in cross-cultural communication, and international environmental policy for a semester.

Seoul, Korea
April 2024

SKILLS

- Data Analysis: Proficient in Python and R, utilizing these languages to build and refine statistical models, inspect large datasets (10,000+ data points), and automate data processing workflows.
- Bioinformatics: Experienced with BLAST, and GenBank.
- Environmental Science: Knowledgeable in ecosystem dynamics, water quality management, and sustainability practices.
- Research and Development: Directed extensive research, developed methodologies, and applied findings to solve real-world problems.

PROJECT

GITHUB ACCOUNT

Solo Projects

- <https://github.com/MaralguaDashnyam>

Oxford, OH
January 2023 - Present

EXPERIENCE

MIAMI UNIVERSITY

Building Manager

- Oversee the daily management of campus buildings, conducting regular safety inspections, ensuring security protocols are followed, and coordinating with maintenance teams for immediate issue resolution.

Oxford, OH
August 2024 - Present

MERRIFIELD GRANITE & MARBLE

Environmental Data Analyst & Product Development Intern

- Explored on analyzing impact of urbanization on local ecosystems and waterways, particularly focusing on Accotink Creek and Four Mile Creek.
- Performed multivariate analysis on 200+ product samples, assessing performance metrics and quantifying environmental impact, resulting in a 15% improvement in company sustainability practices.

Newington, VA
January 2024 - July 2024

VOLUNTEER WORK

HERACADEMIA

Volunteer English Tutor

- Tutored children aged 7-18 in need, both remotely and through hybrid sessions, helping improve language skills and build confidence, while enhancing communication and teaching abilities.

Ulaanbaatar, Mongolia
June 2024 - Present