Anu Bazarragchaa

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Location: **Budapest, Hungary**

Profile

- Junior Bioinformatician with experience in Python, R, and data-driven climate research.
- Skilled in statistical modeling, machine learning, and software development.
- Collaborative team player with experience in academic research projects and software pipelines.

Experience

Research Assistant, Eötvös Loránd University, Budapest — 2024–2025
- Developed data pipelines for environmental datasets; applied predictive modeling to support climate research.
- Co-authored publications and maintained reproducible research workflows.

Student Researcher, Eötvös Loránd University, Budapest — 2023–2024
- Built data visualizations and conducted time-series analyses for climate projects.
- Automated workflows and maintained documentation for reproducibility.

Student Researcher, University of Debrecen, Debrecen — 2020–2022
- Optimized data pipelines for phylogenetic software benchmarking.
- Generated statistical reports and contributed to research publications.

Projects

Measles Cases Are On The Rise, 2025
- Analyzed WHO measles incidence data using Python (pandas, matplotlib, seaborn) to visualize trends, compare vaccination coverage, and highlight anomalies.
- Link: github.com/anu-bazar/measles-2025

Hungarian Cloze Anki Generator, 2025
- Python script generating Anki-compatible cloze deletion CSVs from Hungarian-English sentence pairs; identifies least frequent words, cleans frequency lists.
- Link: github.com/anu_bazar/hungarian_cloze_anki

Project Skywatcher, Microsoft Imagine Cup, 2021
- Built air pollution heatmaps, managed data cleaning and visualization, contributed to pitch deck.
- Link: imaginecup.microsoft.com/en-us/Team/f046e068-a81c-4413-9592-e3dd1562b766

Education

- **PhD in Biology**, Eötvös Loránd University, Budapest, 2025–2029
- **MSc in Biology**, Eötvös Loránd University, Budapest, 2022–2024
- **BSc in Biology**, University of Debrecen, Debrecen, 2019–2022

Skills

- **Programming:** Python, R, Julia, MATLAB, SQL
- **Data Analysis:** Statistical modeling, time-series analysis, ML, data visualization
- **Tools:** Git, Flask, TensorFlow, Keras, Pandas, Seaborn, Matplotlib
- **Languages:** Hungarian (B2), English (Bilingual), Mongolian (Bilingual)

Certifications

- **FrontEnd Skill-Up Course**, NIX Kft., 2025
- **DevOps Skill-Up Course**, NIX Kft., 2024
- **CFG Degree in Software Stream**, Code First Girls, 2023
- **Data Analyst in Python Path**, Dataquest.io, 2020