




MARIAMAWIT S. ASHENAFI

With over seven years of work experience, I am a passionate and versatile computational biologist and developer who enjoys creating web applications, data analysis and task automation pipelines. I have a strong background in computer programming, data management, and data analysis. I value innovation, collaboration, and continuous learning, and I am excited to join an organization that shares these values and fosters a diverse and inclusive culture. I am eager to leverage my skills and experience to create impactful and user-friendly solutions.



Contact

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Skills

- **Languages** : Amharic, English, French
- **Programming Languages**: Python, JavaScript, HTML5, CSS, R
- **Web frameworks** : React.js, Express.js, Flask, Django, Bootstrap
- **Developer tools**: Git / GitHub, PyCharm, CS Code
- **Database Management tools**: PostgreSQL, MongoDB

Hobbies



WORK EXPERIENCE

Full Stack Developer, Freelance

Silver Lining | 2023

- Developed website for startup, using Flask as web framework

Computational Biologist, Team Leader

Ethiopian Biotechnology Institute (EBTi), Addis Ababa | 2019 -2021

- Bridge the gap between computation and biology by providing prompt training and solutions for researchers.
- Organize and lead weekly meetings to assign tasks and get weekly feedback and recommendations.

Computational Biologist, Research Assistant

University of Zurich, Switzerland | 2014 -2018

- Developed an image processing plugin to allow automatic nuclei detection in batch image data. This product allows for a more reliable research result.
- Developed and published nuclei extraction and preservation, and high resolution microscopic image acquisition methods.
- Developed python pipelines for task automation in the laboratory

Computational Biologist, internship

Ecofilae, France | 2013

- Created a prototype for a data-driven application for the management of reused water, by collaborating with agronomists and scientists.
- Documented prototype to train new team members for future development.

Computational Biologist, internship

CIRAD, France | 2012

- Build predictive model of coffee tree bean yield using physiological data

EDUCATION HISTORY

2012 - 2013

Master of Bioinformatics, Health data management

University of Montpellier, France

2010 - 2012

Master of Biotechnology

University of Montpellier, France

TRAINING & CERTIFICATION

2021 - 2023

Python (Flask, Django), JavaScript (React, Node.js), Git

FreeCodeCamp, LinkedIn, Udemy, Coursera