MARIAMAWIT S. ASHENAFI

With over seven years of work experience, I am a passionate and versatile computational biologist and developer who enjoys creating applications, data analysis and task automation tools. 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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Social Media
www.linkedin.com/in/mariamawit-ashenafi
https://menigedegna.github.io
https://replit.com/@mariamawitash
https://codepen.io/mariamawit/

Skills

Python (Flask, Django)

Javascript (React.js, Node.js)

HTML5 / CSS (Bootstrap)

Git / Github

PostgreSQL

Languages

Amharic

English

French

Hobbies

WORK EXPERIENCE

Software Developer, Freelance
2021 – 2023

- Designed and created web application, logos and banners for start-up to boost marketing.
- Taught Earth and Life Sciences, Computer Programming, Data Analysis to students in grades 7 through 12 for a year at Lycee Guebre Mariam.

Computational Biologist, Team Leader
Ethiopian Biotechnology Institute (EBTi), Addis Ababa | 2019 –2021

- Organized workshops for university professors to improve their proficiency in Biotechnology and Bioinformatics tools
- Provided prompt solutions, training and proactive troubleshooting support for Biotechnology researchers.

Biotechnology and Computational Biology, Research Assistant
University of Zurich, Switzerland | 2014 –2018

- Enhanced image processing software to allow automatic nuclei detection. This product facilitates research on nuclei organisation.
- Documented and published nuclei extraction and preservation, high resolution microscopic image acquisition and image processing methods.
- Developed python pipelines for laboratory task automation to boost research efficiency and accuracy.
- Created JavaScript application to optimize data management and quick visualization.

Computer 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.

EDUCATION HISTORY

2012 - 2013	**Master of Bioinformatics, Health data management** University of Montpellier, France
2010 - 2012	**Master of Biotechnology** University of Montpellier, France
2007 - 2010	**Bachelor of Agronomy and Food Science** University of Haute-Alsace, France

TRAINING & CERTIFICATION

2021 - 2023	**Python (Flask, Django), JavaScript (React, Node.js), Git** FreeCodeCamp, LinkedIn, Udemy, Coursera