

Mikal Afewerki
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Summary

Innovative Entrepreneur and accomplished Mechanical Engineer with a strong foundation in Data Science and Full-Stack Web Development. Over five years of experience in engineering design and project supervision, proficient in leveraging CAD, Python, and machine learning to drive technological advancements. Committed to continuous learning in financial management and investment strategies to enhance entrepreneurial success.

Work Experience

Founder & CEO

Azmara Solar Baking Mitad | May 2023 - Present

- Leading the development of an advanced solar-powered stove, utilizing data science for precise data collection and analysis.
- Overseeing all aspects of the startup, including product design, business strategy, and stakeholder engagement.
- Successfully pitched and involved in Acceleration program across Africa on SDG
- Adopted a proactive approach to wealth-building, focusing on strategic investments and business ventures to generate passive income.

Trainee Mechanical Engineer

Libya Oil Eritrea (LOER) | December 2016 - May 2020

- Supervised the redesign and testing of demolished oil tankers and piping layouts.
- Scheduled and supervised preventive maintenance across various oil terminals.
- Conducted routine maintenance checks and negotiated with stakeholders on mechanical contracts and bids.
- Skilled in identifying and acquiring assets to increase company profitability while minimizing liabilities.

Education and Training

Advanced Micromasters in Data Science and Machine Learning

University of MIT React | January 2022 - January 2023

Certification in Refugee Studies

University of Oxford | July 2022 - October 2022

Bachelor of Science in Mechanical Engineering

Eritrean Institute of Technology | September 2011 - July 2016

Various Certifications

- Fellowship in Analytics for Better World, University of Amsterdam (Sep - Dec 2023)

- Full-Stack Web Development Bootcamp, DOT Ethiopia & Jordan Naamal(Apr - Nov 2023)
- MIT Innovation and Leadership Bootcamp (Feb 2022 - Feb 2023)
- Ethiopian Women Incubation Training Program (Jan 2021 - Dec 2021)
- Women In Tech Bootcamp Bussiness Analytics and Web development(Oct 2023-Mar 2024)
- BIC Acceleration Programmed for women Entrepreneurs (April 2024-july2024)
- CFO Suite and Cornerstone Business Development Renew Capital(Oct 2023-March 2024)
- Prodogy Info Tech, Intern Career, Cognifz Technology Internships in Machine learning, data Science ,Web development .
- BIM Design Intern QBS Company (Oct 2022- Feb2023)

Skills

- Full-Stack Web Development
- Mechanical Engineering
- CAD (Computer-Aided Design)
- Python Programming
- Machine Learning and Data Science
- Project Supervision and Construction
- SolidWorks
- Entrepreneurship

Projects and Achievements

- Developed a solar-powered stove with enhanced efficiency, focusing on community impact.
- Presented innovative ideas at the Eritrean Youth Festival, receiving the Presidential Award.
- Graduated Magna Cum Laude in Mechanical Engineering.
- Awarded for high performance in high school matriculation exams.

Soft Skills and Additional Training

- Leadership and teamwork in various engineering and entrepreneurial projects.
- Community engagement and educational outreach on renewable energy.
- Business analytics and financial training from various esteemed institutions.