TESFAYE ADUGNA

SOFTWARE DEVELOPER | STUDENT

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github   linkedin   leetcode

ABOUT ME

A highly motivated software engineer with a passion for problem-solving and a strong drive for success. Experienced in leading and delivering successful projects, I am seeking new opportunities to develop my skills and excel as a software engineer.

EDUCATION

Addis Ababa University
Sep 2019 - Present

6th best in Africa

BA Software Engineering | 2019 - present
Expected graduation date - July, 2024
Relevant courses Completed: Data Structures and algorithms, Machine Learning, Computer Programming, Object-Oriented Programming, Web design and Programming, Mobile Application Programming and Software Engineering

A2SV 2022
Feb 2022 - Present

A2SV empowers African students, connects with top Silicon Valley companies, and delivers digital solutions for urgent home country challenges. Achieved 70% success rate (31/44) in 2022 Google Software Engineering interviews.

AddisCoder 2018
Aug 2018 - Sep 2018

AddisCoder is an intensive 4-week summer program in Addis Ababa, Ethiopia introducing high schoolers to programming and algorithms.

PROJECTS

Erdata
Dec 2021 - Jun 2022

The Erdata project facilitates support for street children by extending aid options to foreigners for simplified and tech-supported assistance.
Technologies: Flutter, Spring Boot, HTML, CSS, Bootstrap.

Agenagn
Dec 2021 - Feb 2022

Agenagn is Ecommerce website that allows people to buy and sell used items.
Technologies: Html, CSS, Bootstrap and spring boot.

INTERESTS

Artificial Intelligence, Science and Mathematics, Competitive programming and Software Development.

PROFESSIONAL EXPERIENCE

Research assistant - U of M
May 2023 - Aug 2023

Research Assistant at the University of Michigan, specializing in formal verification techniques for ensuring processor robustness against silent data corruptions.

Head of Education - A2SV
Nov 2022 - Present

Head of Education at Africa to Silicon Valley (A2SV), spearheading educational initiatives and bridging the gap between Africa and Silicon Valley.

Python Developer - Turing
Nov 2022 - Present

Contract Python developer for a top Silicon Valley AI research company. Corrected over 200 model flaws, ensuring trajectory accuracy. Skilled in Machine Learning and Python programming.

Freelancer - BertuCan
Oct 2022 - Jan 2023

Contributed to the development of a mobile application for tracking women's menstrual cycles, empowering users with accurate and personalized information.

ACHIEVEMENTS

Mind plus Math

I am one of the mind plus Ethiopian mathematics national competition finalists (of only 25 Ethiopian finalists) in 2018.

Matric(grade 10)

scored straight A on grade 10 matric exam in 2017.

Geda Grand Science

I won Bronze on finishing third in the Geda Grand regional science competition in 2019.

University Entrance Exam(grade 12)

Top 0.05% highest score of 450,000 participants nationally in 2019

TECHNICAL SKILLS

Languages: Python, Dart, Java, C++, Javascript, C and Verilog.
FrameWorks and others: Flutter, Spring boot, Django, Bootstrap, Angular and Mysql.
Familiar with: Agile methodology, Git, Linux and Trello.