

Nathnael Dereje

Software Engineer

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EDUCATION




Addis Ababa University (6th best in Africa in 2020), Bachelors Degree in Software Engineering (AI Stream)

Jul 2021 – Jul 2025 | Addis Ababa, Ethiopia

- CGPA: 3.83 / 4
- Expect to graduate on July 2025.
- Relevant Courses: Operating Systems, Object Oriented Programming, Data Structures and Algorithms.

Africa to Silicon Valley (A2SV), backed by Google

Dec 2022 – Nov 2023 | Addis Ababa, Ethiopia

- Explored over **30+** distinct data structures and algorithm concepts, including trees, graphs, dynamic programming, and pathfinding algorithms, within 1 year time frame.
- Solved **800+** problems on Leetcode , HackerRank , and Codeforces .
- Skills Acquired: Data Structures and Algorithms, Problem Solving, System Design, Distributed Systems, Team Work and Collaboration.

PROFESSIONAL EXPERIENCE

Africa to Silicon Valley, Head of Education

Jan 2024 – present | Addis Ababa, Ethiopia

- Prepared and presented lecture slides, and ensured effective delivery.
- Automate tasks with Appscript, Maintained and updated progress sheets, managed attendance.
- Create and managed weekly contests, Organize Hackathons.

Addis Ababa Institute of Technology (AAiT), School of Information Technology and Engineering (SITE), Full Stack Software Developer Intern

Feb 2024 – Jun 2025 | Addis Ababa, Ethiopia

- Designed and implemented new features and functionalities, using Angular for the frontend and ASP.NET for the backend.
- Ensure reliability of system by writing comprehensive **End-to-End** tests for various features using Playwright.

Eskalate, Product Developer and UI designer

Jul 2023 – Sep 2023

- Wrote questionnaires, Conducted interviews gathering data from 43 business owners, with a team of 6.
- Developed Product Requirement Document (PRD) based on collected data.
- Designed UI with Figma based on the requirements for the project.

PROJECTS

Workout Warrior, Fitness tracking app

May 2023 – Jul 2023

- Developed a cross-platform gym management mobile app using Flutter with a team of 5, integrating over 60 backend API endpoints.
- Implemented the bloc state management library for efficient cross-platform state management.
- Worked on dark theme and role-specific pages for admin, trainer, and trainee functionalities.

InfoBlender, An app for comparing different news using AI.

- Led a team of 2 to develop a robust Express.js backend service, to create 8 API endpoints for email confirmation, authentication, and data handling.
- Successfully integrated Generative AI for advanced article comparison functionality.
- Worked on React front end pages to integrate with the backend.

SKILLS

- **Advanced:** Express.js • React.js • MongoDB • Git • Python • Typescript • Javascript
- **Intermediate:** Java • Flutter • Dart • Object-Oriented Programming (OOP) • SQL • Agile Development • Chrome Extension • Go • .Net Core
- **Basic:** Distributed Systems • C# • Angular • End-to-End testing

CERTIFICATES

Supervised Machine Learning: Regression and Classification • through Coursera: 99.83% grade

Black Bird Job Simulation on Forage - June 2024

Completed a job simulation where I participated as a software engineer in a start-up environment.