

# Nathnael Dereje Software Engineering Student

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🔗 LeetCode    📊 Codeforces

## 🎓 Education

### Africa to Silicon Valley (backed by GOOGLE)

December 2022 – October 2023

Generation 4 trainee

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.

### Addis Ababa University (6th best in Africa in 2020)

July 2021 – July 2025

Bachelors Degree in Software Engineering (AI Stream)

Addis Ababa, Ethiopia

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

## 👛 Experience

### Africa to Silicon Valley

January 2024 – present

Head of Community Education

Addis Ababa, Ethiopia

- Mentored students to overcome technical challenges, facilitating an environment conducive to growth.
- Designed and implemented daily challenges to engage students, fostering consistent learning and growth.

### Eskalate

July 2023 – September 2023

Product Team

Addis Ababa, Ethiopia

- Designed questionnaires and Conducted interviews gathering data from 43 business owners, with a team of 6.
- Designed Figma design based on the requirements for the project.

## 🚀 Projects

### InfoBlender

July 2023 – present

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.

### Workout Warrior

May 2023 – July 2023

Fitness tracking app

- 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.

## 📁 Skills

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

## 📜 Certificates And Achievements

- Supervised Machine Learning: Regression and Classification • through Coursera: 99.83% grade
- Top 50 ( 0.01%) on University Entrance Exam (50th from 338,528 students) April 2021 GC

## 🎵 Interests

Piano • Guitar • Walking • Gym