

# Nathnael Dereje

Software Engineering Student

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

🔗 LeetCode 🏆 Codeforces 🔗

## 🎓 EDUCATION

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

December 2022 – October 2023

Addis Ababa, Ethiopia

- A2SV is a Coding Academy that Upskills and connects talented African Students to top-tech companies.
- A2SV placed **50+** students in top companies like **Google**, **Microsoft**, and **Bloomberg** in the past 4 years. 
- Covered **30+** different data structures and algorithms as well as system design concepts such as Trees, Tries, Graphs, Queues, Stacks, Heaps, Dynamic Programming in a span of 1 year.
- Solved **700+ problems** on Leetcode  and Codeforces. 
- **Skills Acquired:** Data Structures and Algorithms, 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

Addis Ababa, Ethiopia

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

## 👜 EXPERIENCE

### Product Team - Africa to Silicon Valley

August 2023 – October 2023

Addis Ababa, Ethiopia

- Designed questionnaires and Conducted interviews.
- Gathered data from 43 business owners, with a team of 6 for 1 month.
- Prepared a comprehensive product requirement document based on collected data.

## 💡 PROJECTS

### Tetris Game

April 2023 – present

The iconic tetris game made in java

- Employed OOP principles to develop modular classes for 7 different block types, game panel, and key handler.
- Used Java Swing to create an engaging user interface.
- Incorporated features falling blocks, block rotation, row completion, high score recording, and engaging gameplay sound.

### InfoBlender

July 2023 – present

a user-centric platform for comparing different news using AI.

- Led a team of 2 to develop a robust Express.js backend service, creating 8 API endpoints for email confirmation, authentication, and data handling.
- Successfully integrated generative AI for advanced article comparison functionality.

### Workout Warrior

May 2023 – July 2023

Fitness management and tracking app for gym members, trainers, and managers.

- 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 • Dart • Typescript • Javascript
- **Intermediate:** Java • Flutter • Object-Oriented Programming (OOP) • SQL • Agile Development • Chrome Extension
- **Basic:** .Net Core • Distributed Systems • C#

## 📜 CERTIFICATES AND ACHIEVEMENTS

### Supervised Machine Learning: Regression and Classification: completed with 99.83% grade

- Completed 33 hours of online course authorized by DeepLearning.AI and Stanford University through Coursera
- Gained skills: linear regression, gradient descent, logistic regression for classification

### Top 50 University Entrance Exam Performer April 2021 GC

- Top 0.01% achiever standing 50th from 338,528 students, with a score 638 out of 700.