

# Naol Daba

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## EDUCATION

### Addis Ababa University

Addis Ababa, Ethiopia

*Bachelor of Science in Software Engineering (GPA - 3.93)*

### A2SV | Africa To Silicon Valley

Addis Ababa, Ethiopia

*DSA (Data Structures and Algorithms), Competitive Programming*

## EXPERIENCE

### Full-stack Engineer

Sep. 2024 – Present

*Zoobook Systems LLC*

*Perth Amboy, New Jersey*

- Maintaining code quality, organization and optimization by identifying bugs/ bottlenecks and devising solutions to these problems.
- Collaborating with sales and customer support teams to resolve customer reported issues/ bug-tickets which results in significant enhancement in user satisfaction.

### Back-end Engineer, Intern

June 2024 – Aug. 2024

*Eskalate*

*Palo Alto, California*

- Enhanced API response time from 200ms to 50 - 60ms using caching with Redis, which is over 70% increase in performance.
- Reduced 30 - 40% account related vulnerabilities such as fake accounts and unauthorized access from email-verification and JWT authentication.

### Front-end Engineer, Intern

Sep. 2023 – Nov. 2023

*Ashewa Technology Solutions*

*Addis Ababa, Ethiopia*

- Designed and implemented *abronet.org*, a fin-tech platform modernizing the traditional Equib concept serving 1200+ active users monthly.
- Collaborated with a multidisciplinary team of 8+ designers and back-end developers to integrate new features and improvements by addressing feedback and implementing iterative improvements.

## PROJECTS

### Amharic Sign Language Classifier | *Python, openCV, mediapipe, scikit-learn*

- Built and integrated a Random Forest Classifier trained on hand landmarks, achieving accurate classification of 8 unique Amharic letters.
- Conducted feature extraction on 84-dimensional hand landmark data, reducing noise and ensuring accurate inputs to the classifier model.

### liteTorrent | *Go/ Gin*

- Developed LiteTorrent, a high-performance command-line torrent client in Go, enabling efficient file downloads and uploads using the BitTorrent protocol.
- Implemented multi-threaded downloads, peer discovery, and tracker communication, leveraging Go's concurrency model for scalability and seamless data transfers.

### HibretStock | *Java, Spring Boot, MySQL*

- Designed and developed HibretStock, a stock trading platform using Java and Spring Boot, featuring modular architecture for scalability.
- Implemented stock trading, market analysis, and portfolio management, enabling seamless user transactions and insights.

## ACHIEVEMENTS

- Solved 700+ problems on LeetCode and 300+ problems on Codeforces.
- Achieved the Knight I title (5th highest rank) with a rating of 1847 in A2SV programming contests.

## TECHNICAL SKILLS

**Languages:** Python, C#, Go (Golang), Java, SQL (Postgres, MySQL), JavaScript, TypeScript

**Frameworks:** React, Next.js, Flask, FastAPI, Express.js, NestJs, Gin, ASP.NET Core

**Developer Tools:** VS Code, Git, GitHub, Docker, Cloudinary, GCP