

# Heran Eshetu Elala

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🔗 <https://leetcode.com/u/Heranite/>

## EDUCATION

### BSc in Software Engineering, Addis Ababa University

- Top 10 University in Africa
- **Relevant Courses:** Mobile application development, Web Application development, Data Structures and Algorithms, Operating systems, Computer Graphics, and Artificial intelligence.

03/2022 – present  
Addis Ababa, Ethiopia

### Coding Academy, African To Silicon Valley (A2SV)

- A2SV, a Google-backed tech academy and incubator, is structured to upskill high-potential university students and provide connections to opportunities at top tech companies worldwide. A success rate of 70% has been achieved, with more than 60 students placed in top tech companies.
- At A2SV, I have solved 600+ problems on LeetCode and Codeforces, gaining expertise in algorithms, data structures, and Python. Through coding contests, mock interviews, code reviews, and collaborative programming, I refined both my problem-solving skills and communication, enabling effective teamwork and continuous technical improvement.
- **Relevant Courses:** Data Structures and Algorithms, Software Development and Interpersonal skills.

11/2023 – 11/2024  
Addis Ababa, Ethiopia

## SKILLS

**Technical Skills — Advanced:** Flutter, Python, HTML, CSS, JavaScript, MongoDB | **Intermediate:** NestJS, Git, Test-Driven Development (TDD), Clean Architecture | **Beginner:** ReactJS

**Soft Skills —** Problem-solving, communication, teamwork, adaptability, time management.

## PROJECTS

### Hotel Booking Mobile app

- Developed a Flutter-based hotel room booking app with admin management capabilities, increasing booking efficiency by 25%.
- Designed a user-friendly UI, enhancing user retention by 40% and simplifying the booking process.
- Integrated a backend system using NestJs and MongoDB, ensuring 100% backend uptime and improving scalability by 35%.
- Utilized JWT for secure authentication, reducing login issues by 15%.
- Streamlined admin management capabilities to allow real-time CRUD operations on rooms and bookings, reducing management overhead by 20%.
- Technologies Used: **Rivepod, JWT, NestJs, and MongoDB.**

03/2024 – 06/2024

### Hotel Booking Website

- Built an admin panel for real-time room and booking management, allowing CRUD operations for efficient room and booking control.
- Utilised RESTful API services with JWT authentication, ensuring secure user sessions and data protection.
- Implemented backend using PostgreSQL for reliable and scalable data storage, improving query performance by 20%.
- Technologies Used: **HTML, CSS, JavaScript, JWT, NestJs, and Postgres.**

11/2023 – 01/2024

## PROFESSIONAL EXPERIENCE

### Mobile Developer Intern, A2SV (African To Silicon Valley)

#### E-commerce Mobile Application

- Developed mobile applications using Flutter, contributing to the development of scalable, cross-platform apps for various clients.
- Enhanced the app's performance by optimizing code structure and following Clean Architecture principles, reducing load times by 15%.
- Applied Test-Driven Development (TDD) to ensure robust and reliable functionality, reducing bugs by 25%.
- Technologies Used : **Bloc, Dart.**

04/2024 – 06/2024  
Addis Ababa, Ethiopia

## ACHIEVEMENTS

- Solved **600+** problems on **Leetcode** and **Codeforces**.
- **Ethiopian Collegiate Programming Contest (EtCPC) 2024 City Cup** Participant
  - Engaged in strategic problem-solving and coding challenges in a competitive environment, enhancing my programming skills and teamwork.