Aduna Kebede

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EDUCATION

BSc. in Software Engineering   Jun 2020 – Jun 2025 | Addis Ababa, Ethiopia
Addis Ababa Science and Technology University. ↗

Relevant Coursework: Distributed System, Advanced Programming, Operating System, Object-Oriented Programming, Machine Learning, Embedded system, Computer System Security

Coding Academy   Nov 2023 – Nov 2024 | Addis Ababa, Ethiopia
Africa To Silicon Valley (A2SV) | Backed by Google. ↗

Focused on empowering African students with advanced software engineering skills and facilitating placements in leading global tech companies.

- Mastered data structures and algorithms by solving over 800+ complex coding problems on LeetCode ↗ and Codeforces ↗ .

PROFESSIONAL EXPERIENCE

Software Engineer Intern Eskalate. ↗   Dec 2023 – Aug 2024 | Addis Ababa, Ethiopia

- **Led a team of 4 developers**, streamlining communication and task management to deliver a scalable starter project using **Next.js, RTK Query, and Tailwind CSS** within tight deadlines following **Agile methodologies**.
- Enhanced codebase quality by implementing best practices and conducting thorough reviews, resulting in a **15% reduction in bugs** and improved maintainability.
- Integrated **Redux** for efficient state management and designed a high-perform

PROJECTS

AI-Driven Travel Platform for Discovering Ethiopia   Oct 2024 – Jan 2025

- **Managed** the development of a culturally immersive travel platform using **Django** and **MongoDB**, designed to showcase Ethiopian destinations and heritage, boosting engagement through **AI-powered** recommendations.
- Integrated **AI-driven conversational assistants** to provide users with real-time, personalized trip planning, cultural insights, and tailored site suggestions, increasing user interaction by 25%.
- Developed a responsive frontend with **Next.js**, **Tailwind CSS**, and **Redux**, improving user experience across devices and reducing page load times by 20%.
- Created scalable **RESTful APIs** and efficient data models, enabling seamless integration with third-party tourism and booking services, positioning the platform for future growth.

Smart Chicken Home – Integrated Engineering Project   Nov 2003 – Feb 2024

- **Supervised** a cross-functional team of 10 engineers from various disciplines to **create** and implement a smart poultry management system using **Arduino** and **IoT technologies**.
- **Built** a mobile app using **Flutter** for real-time monitoring of temperature, humidity, and chicken activity levels, **sending instant alerts to users** and improving response times.
- Integrated **Arduino-based sensors** with the app to **automate** environmental control, enhancing chicken health and reducing manual intervention by over 60%.
- Reduced manual labor by over 70%, enhancing system reliability and responsiveness, which improved operational efficiency.

ACHIEVEMENTS

- Solved over 800+ advanced coding challenges, showcasing expertise in algorithms and data structures.
- Awarded a certificate for achieving a SGPA of 3.75/4 in the 4th year, first semester of the 2023/24 academic year for best academic achievement in B.Sc. degree studies.

LEADERSHIP AND EXTRACURRICULAR

GDG AASTU Mentor – React   Aug 2023 – Jul 2024 | Addis Ababa, Ethiopia

- **Mentored** students in **React development** as part of the **Google Developer Group (GDG)** at **AASTU**, guiding them in building scalable web applications and applying debugging techniques, component design, and code optimization best practices.
- **Led** hands-on workshops and coding sessions, empowering over 50 students to create functional React applications, improving their technical proficiency and increasing their job readiness.

SKILLS

Programming Languages — Python, TypeScript, JavaScript, C++, Java | Frameworks / Libraries — Django, NodeJs, Nextjs, Express.js, Tailwind CSS, Bootstrap | Databases — MongoDB, PostgreSQL, MySQL, Tools — Docker, Git, AWS, Heroku —