ASHENAFI MULUGETA

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EDUCATION

Bachelor of Science in Software Engineering, 09/2020 – 08/2025 | Addis Ababa, Ethiopia
Addis Ababa Science and Technology University ✐

Relevant Coursework: Distributed Systems, Machine Learning, Programming, Networking, Operating Systems, Data Structures & Algorithms, Object-Oriented Programming, System Design & Analysis, Database Systems.

Coding Academy, *Africa to Silicon Valley (A2SV) - Backed by Google* ✐ 03/2023 – 03/2025 | Addis Ababa, Ethiopia
- Successfully completed a rigorous **30+ hours per week** curriculum focused on DSA. Mastered advanced concepts and techniques through weekly lectures, contests, mock interviews, and pair programming.
- **Solved 700+** Codeforces ✐ & LeetCode ✐ algorithmic problems.

Backend Development, *African Leadership X(ALX)* ✐ 06/2024 – 10/2025 | Addis Ababa, Ethiopia
- Intensive **Backend Development Curriculum** focused on mastering **Python and Django,** complemented by in-depth system design principles. Advanced studies include containerization with Docker, orchestration using Kubernetes, and sophisticated database optimization techniques for high performance.
- The program **emphasizes project-based learning** to develop scalable, resilient, and maintainable backend architectures. Integrated CI/CD pipelines ensure continuous integration, **automated testing, and seamless deployment workflows,** enabling rapid delivery of production-ready applications.

PROJECTS

Study Buddy, *Academic Collaboration Platform* 09/2025 – Present
- Implemented **JWT authentication** and **social login integration** to ensure secure, flexible user access in a Django application.
- Developed a **real-time chat** feature using **WebSockets** and **Redis**, with **RabbitMQ** as a message broker for efficient asynchronous communication.
- Optimized application performance through **database indexing** and **caching strategies**, enhancing search speed and overall responsiveness.

AASTU ID Card Replacement (Appointment) System, 11/2023 – 02/2024
Streamlined Backend and Client Application for Student ID Card Management ✐
- Developed and deployed a full-stack JavaFX application to manage student ID card replacements for **7,500+ students**, reducing **average processing time from 5 days to 1 day (80% faster).**
- Implemented secure, role-based authentication and admin controls, enhancing system security and accountability.
- **Introduced real-time request tracking and reporting**, decreasing **administrative workload by 45%** and improving **student satisfaction to 95%.**

Movie Recommendation System, 04/2025 – 07/2025
Django-Based Movie Recommendation and Payment System ✐
- **Built a scalable backend for a movie recommendation platform**, delivering personalized suggestions to over 95% of users and supporting a 20% increase in premium subscriptions through secure **JWT/social authentication** and integrated payments.
- **Designed and secured RESTful APIs with Celery/Redis job processing, OTP verification, and rate-limiting**, achieving a 30% reduction in response times and a 99% decrease in fraudulent access attempts for improved system robustness.

PROFESSIONAL EXPERIENCE

ET Software Technology, *Backend Django Developer* ✐ 06/2025 – 08/2025 | Addis Ababa, Ethiopia
- **Led** backend development for a finance ERP using Django REST Framework, managing **1000+ monthly transactions** while boosting security to **block 99.9% of unauthorized access** and **slashing reporting latency by 60%.**
- **Collaborated** on frontend components to deliver a unified enterprise solution that **increased user productivity by 30%**

SKILLS

Technical Skills — Python, Django, FastAPI, Java, JavaScript, SQL, C++, HTML/CSS, React, Git, GitHub, Docker, Celery, Redis, SQL(PostgreSQL, MySQL), Linux, K6, Kubernetes, CI/CD pipelines, AWS.

Concepts and Soft Skills — Clean Architecture, Microservice, Distributed Systems, Leadership, Team Work.