

Saleamlak Wendmnew Mekuria

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Education

Bachelor of Science in Computer Science and Engineering

05/2022 – 06/2026 | Adama, Ethiopia

Adama Science and Technology University

CGPA : 3.86/4

- **Relevant Courses:** Data Structures and Algorithms, Information Storage and Retrieval, Object-Oriented Programming in Java, Fundamentals of Programming with C++, Advanced Programming with Java, Artificial Intelligence, Data Communication and Computer Networks, Computer Architecture and Organization, Software Requirements Engineering

Competitive Programming and Coding Academy

12/2023 – 12/2025 | Addis Ababa, Ethiopia

Africa To Silicon Valley | A2SV - Backed by Google

- A2SV graduate with a strong foundation in data structures and algorithms (Solved over 1,400 problems on **LeetCode** and **Codeforces**.) and hands-on experience in backend development and product management.
- A2SV placed **60+** students at top-tech companies such as Google, Bloomberg, Databricks, Amazon, LinkedIn, and Square in the last four years.

Experience

Eskalate

07/2024 – 10/2024 | Adama, Ethiopia

Software Engineer Intern

- Collaborated with a cross-functional team of **14** engineers to build a blog site, achieving a **20%** reduction in project delivery time through effective utilization of **Agile methodologies**.
- Developed a RESTful backend server using the **Go GIN** framework and automated tests with **Postman**, cutting manual testing time by **50%**.
- Designed and integrated **JWT-based authentication and authorization systems**, including password resets and email verification, ensuring secure user access.
- Applied **database indexing in MongoDB for fuzzy search**, improving query efficiency by up to **30%**, and implemented **TTL indexing** to automatically manage expired and blacklisted tokens, reducing manual intervention by **90%**.
- Enhanced overall user experience by integrating an **AI chatting system using Google's Gemini LLM API**

Projects

Phishing URL Detection

08/2024 – 09/2024

- Conducted data cleaning, feature engineering, and exploratory data analysis on **11,430 URLs** with 87 features.
- Built a predictive machine learning model to detect phishing URLs with **96%** accuracy.
- **Technologies Used:** Python, scikit-learn, pandas, seaborn, matplotlib, GridSearchCV

Search it

06/2024 – 07/2024

- Developed a search engine that indexes and ranks documents across multiple formats, including text, PDF, and Word, enabling precise search.
- Implemented a ranking algorithm based on a **vector space model** and **cosine similarity**, enhancing search accuracy by **25%** compared to traditional keyword-based methods.
- **Technologies Used:** Django, scikit-learn, Natural Language Toolkit, HTML, CSS, JavaScript.

ETIEL

09/2023 – 10/2023

E-commerce Platform for Traditional Habesha Clothing

- Improved user experience by developing product listing system with advanced filtering and searching features.
- Strengthened overall system security by implementing robust authentication and authorization measures.
- **Technologies Used:** Django, Microsoft SQL Server, JavaScript, HTML, CSS

Technical Skills

Languages : Python, Go, C/C++, Java, SQL, HTML5, CSS | **Developer Tools:** Git/Github, Postman, Docker, Linux | **Libraries/Frameworks:** Django, Django REST Framework, Gin, Scikit-learn, NumPy, Pandas, Seaborn, Matplotlib | **Databases:** MongoDB, MySQL, Microsoft SQL Server

Achievements

2024 Africa and Arab Collegiate Programming Championship (ACPC) Finalist

29/10/2024

- Secured 4th place out of 72 teams from various universities across Ethiopia in the 2024 ICPC Ethiopian Collegiate Programming Contest, qualifying us for the 2024 Africa and Arab Collegiate Programming Championship (ACPC).

1st Place A2SVian of the Camp

03/2024

- Recognized for exceptional attendance, remarkable contest results, and unwavering consistency throughout the data structures and algorithms learning camp out of 45 students.

1st Place, CSEC Semester Closing Contest

06/06/2024

- Secured first place out of 25 teams in a competitive programming contest, showcasing exceptional technical proficiency and teamwork to outperform other teams.

Leadership and Extra-Curriculars

Ethiopian Colligate Programming Contest(ETCPC)

06/2023 – 10/2023 | Addis Ababa, Ethiopia

Problem Bank Team Lead and Contest Organizer

- Led a team of six and prepared over **10** contests on different topics by creating problems and test cases for a competitive programming training program.
- Organized the 2023 ICPC National Contest in Ethiopia, attended by more than **500** participants nationwide. (Certificate)