Natan Amanuel Mamo

| Addis Ababa, Ethiopia | +251966935191 | amanuel.natan@gmail.com |
| github.com/natanamanuelmamo |

1. About Me

Dedicated Software engineering student with a strong foundation in Machine Learning, Enterprise application development, and full-stack web development, seeking an internship opportunity to enhance my development skills and contribute to team success while gaining practical experience in a dynamic tech environment.

2. Education

- **Preparatory school**: *Falcon Academy* (2015 - 2019).
- **Average Cumulative GPA**: 90% on a scale of 100%.
- Very great distinctions on *NATIONAL PRIMARY SCHOOL LEAVING (PSLCE) and ETHIOPIAN GENERAL SECONDARY EDUCATION CERTIFICATE (EGSEC) EXAMINATIONS.*
- Great distinction on *ETHIOPIAN UNIVERSITY ENTRANCE EXAMINATION (EUEE).*
- **Higher Education**:
  - *Addis Ababa University*
  - Program: *Software Engineering*
  - Year: 4
  - CGPA: 3.51 on a scale of 4

3. Skills

- Web development (HTML, CSS, JavaScript, React)
- Mobile App Development (Flutter)
- Enterprise App Development (Spring Framework, Spring Boot)
- Other programming languages (Python, Java)
- Machine Learning Algorithms
- Microsoft software (word, Excel, Power-point etc.)
- Language: English

4. Projects

Adult Population income Prediction | *Python, Scikit-learn, Pandas, Matplotlib*

- ✓ Developed a machine learning model using Python and Scikit-learn
- ✓ Predicted whether a person has an income more than or below a specific amount
- ✓ Implemented four classification algorithms (Logistic Regression, Random forest, SVM, Decision Tree) and compared their performance

Citizens Voting Application | *React , Java, Spring Boot*

- ✓ Developed an Enterprise Application using Spring Boot for the Backend and React for the frontend
- ✓ An application where users register using their National IDs and vote on topics posted by Administrations.

Movie Clustering using K-Means clustering | *Python, Scikit-learn, Pandas, Matplotlib*

- ✓ Developed a machine learning model using Python and Scikit-learn
- ✓ Implemented movie clustering platform based on Genre

Real Time Note App | *React with vite, Golang, MongoDB*

- ✓ Developed a web application with a user interface that lets users create and collaborate on notes in real time.
- ✓ Implemented functionalities such as profile edit, Note creation, editing and deletion.
- ✓ Implemented Websocket to let users collaborate on a note in real time.

Language Model Interface | *React, JavaScript, Gemini API*

- ✓ Developed a web application with a user interface for interacting with a Gemini-like language model.
- ✓ Implemented functionalities such as text generation, translation, and question answering.
- ✓ Integrated with a hypothetical Gemini API to fetch responses from the language model.

E-commerce Website | *HTML, CSS, JavaScript*

- ✓ Developed a e-commerce website with product catalog and shopping cart using HTML, CSS, JavaScript
- ✓ Implemented order processing.

5. Extra-Curricular Activities

- ➢ Voluntary activities: Ahope Ethiopia(July, 2020 – August, 2024)
- ➢ Home tutoring students: From September, 2021 – June 2022