Bethe Bayou Belete

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Profile

Software Engineering undergraduate with strong foundations in **Applied Mathematics**, **Data Structures & Algorithms**, and **Object-Oriented Programming**. Proficient in **C++, Java, Python,** and **JavaScript**. Hands-on experience building responsive web interfaces and integrating third-party APIs. Currently studying Machine Learning fundamentals and backend development with a focus on building scalable, user-centered applications.

Education

B.Sc. in Software Engineering
Addis Ababa University — College of Technology and Built Environments (CTBE), formerly AAiT
2023 – 2028 (expected)

Technical Skills

- **Programming Languages:** C++, Java, JavaScript, Python
- **AI & ML:** Regression models, ML fundamentals (currently learning)
- **Web Development:** HTML, CSS, JavaScript
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming
- **Tools & Platforms:** VS Code, Git & GitHub, IntelliJ IDEA, Figma
- **Soft Skills:** Problem solving, collaboration, technical communication

Projects

Moodie — Mood-Based Movie Discovery Website (2025)
Live Preview   —   GitHub

- Designed and implemented a responsive front-end that delivers personalized movie recommendations using the TMDB API.
- Built with JavaScript, HTML, and CSS; features a mood-input flow that maps user sentiment to curated movie suggestions.
- Demonstrates API integration, user-centered UI, and iterative product thinking; roadmap includes ML-driven ranking.

MiniGit (DSA Project)

- Implemented a simplified version-control system in C++ that simulates commit, branch, merge, history, and diff features.
- Applied STL and efficient data structures to enable performant history traversal and state storage.

Experience

Open-Source Contributor — Moodie Movie Site
github.com/bethe19/moodie-movie-site

- Implemented front-end components and improved API handling to reduce load latency and improve UX.
- Participated in code reviews and issue triage, collaborating with contributors to maintain code quality.

Achievements

- STEM program participant, Debre Berhan University — 2021

Additional Information

- **Languages:** Fluent in Amharic and English
- **Interests:** Artificial Intelligence, full-stack development, football, digital design

References

Available upon request