

LATI TIBABU GAMACHU

COMPUTER SCIENCE & ENGINEERING GRADUATE

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PROFILE SUMMARY

Computer Science and Engineering graduate with practical experience in backend development, API design, and scalable system architecture. Proficient in building maintainable, efficient, and secure backend services primarily using Node.js and PostgreSQL, complemented by full-stack development skills for end-to-end solutions. Passionate about delivering backend solutions that improve user experience and system performance while maintaining clean, modular, and testable code.

EXPERIENCE

- Software Development Intern, Ministry of Innovation and Technology, Ethiopia**
 - Co-led backend design and data modeling for SchoolStream, improving scalability and performance.
 - Developed RESTful APIs and optimized PostgreSQL queries to support user operations.

07/2024 – 10/2024
Addis Ababa
- Machine Learning Intern, TechnoHacks EduTech**
 - Applied supervised learning for data analysis and predictive modeling, gaining hands-on experience with real-world classification and regression tasks.

06/2024 – 07/2024
Remote, Online, India
- Club Member, CSEC-ASTU (Computer Science and Engineering Club)**
 - Participated in competitive programming, sharpening problem-solving skills. Applied theoretical knowledge to solve algorithmic problems, enhancing logical thinking.

05/2023 – 06/2024
Adama
- Software Engineering Intern, Ministry of Innovation and Technology, Ethiopia**
 - Designed and built a company website with a custom CMS, analyzed ministry requirements, learned new technologies quickly, and contributed to robust solutions within Agile frameworks.

07/2023 – 10/2023
Addis Ababa

EDUCATION

- B.Sc. in Computer Science and Engineering,**
Adama Science and Technology University
 - CGPA: 3.72/4.0
 - Exit Exam: 87%
 - Achieved an A+ on the Final Year Project.

2021 – 2025
Adama, Oromia

Projects

- Student Productivity Hub (SPH),**
Full-Stack Web Application for Student Productivity
Role: Backend and Full-Stack Developer
All-in-one web app for students integrating task management, note-taking, Pomodoro timer, team collaboration, and multilingual support. (ongoing as personal side project)

11/2024 – Present

SchoolStream, School Management System <i>Role: Backend Lead and System Designer</i> Web-based system for managing high school and elementary school operations in Adama City, designed to improve performance, scalability, and user experience. Currently paused with plans to resume development.	07/2024 – 10/2024
Uni Pace, Mobile E-Learning App (UI/UX Concept) <i>Role: UI/UX Designer</i> Designed complete wireframes and high-fidelity mockups for a self-paced mobile learning platform aimed at university students.	04/2024 – 06/2024

SKILLS

Programming Languages <ul style="list-style-type: none">Node.js, JavaScript, Java, Python, Flutter, React JS	Database Management <ul style="list-style-type: none">PostgreSQL, MySQL, MongoDB
API Development <ul style="list-style-type: none">REST APIs, Data Structuring	Software Development Methodologies <ul style="list-style-type: none">Scrum, Agile, Collaborative Project Development, Rapid Iteration
System Design & Analysis <ul style="list-style-type: none">Data Modeling, Requirements Analysis, Information Architecture	UI/UX & Prototyping <ul style="list-style-type: none">Wireframing, Prototyping
Machine Learning <ul style="list-style-type: none">Supervised Learning (Classification, Regression), Data Analysis	

LANGUAGES

Afan Oromo Native	English Proficient	Amharic Basic
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CERTIFICATIONS

A2SV 2024 AI for Impact Hackathon Certificate of Achievement A2SV Africa to Silicon Valley - Issued Aug 202 Skills: Machine Learning, Mobile Applications, Flask, REST APIs	Intermediate Machine Learning Kaggle - Issued Jul 202 Skills: Machine Learning	Intro to Machine Learning Kaggle - Issued Jun 202 Skills: Machine Learning
Responsive Web Design freeCodeCamp - Issued Aug 2023 Skills: Web Design		