MIKIAS GEBRESILASIE GEBRETSADIK

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PROFESSIONAL SUMMARY

Computer Science graduate (CGPA **3.98/4.0**) with strong full-stack engineering and machine-learning experience. Skilled in designing and delivering desktop, web, and AI systems using Python, C#, JavaScript, Typescript, Django, ASP.NET, and Docker. Proven track record in award-winning university projects, professional internships, and production-ready deployments (ERP, booking systems, ML diagnostics). Seeking roles in **Full-Stack Development, machine learning engineering, or DevOps-enabled application delivery**.

CORE SKILLS

Category	Skills
Programming	Python, C#, C++, Dart, JavaScript, TypeScript, HTML, CSS
Frameworks & Libraries	Django, Flask, ASP.NET (Razor, Blazor, WPF), Flutter, React (Redux), jQuery, Pillow, gevent, gunicorn, h5py, TensorFlow
Databases / ORM	PostgreSQL, MySQL, MSSQL, Entity Framework, ADO.NET, Stored Procedures
Machine Learning & AI	CNN, RNN, LSTM, Deep Learning
DevOps & Deployment	Docker, IIS, Kestrel, Virtual Environments, Swagger, ngrok, Postman, Dev tunnelling, Containerized CI/CD basics, AWS EC2 Deployment
UML & System Design	UML Class/Sequence/Activity Diagrams, ERD Modeling, Architectural Documentation
Team & Communication	GitHub, Trello, Slack, Agile/Scrum Collaboration
Tools	Git, VS Code, Visual Studio, PyGame (simulation), Figma (UI/UX mockups), StarUML
Personal & Soft Skills	Dedication, Strong Problem-Solving Ability, Team Collaboration & Motivation, Critical Thinking, Adaptability, Effective Communication, Leadership in Group Projects, Continuous Learning & Research Orientation

EXPERIENCE

Paid Dockerized Django Backend Developer Intern — *Infra Tech Software Company* | Addis Ababa, Ethiopia
Sep 2024 – Jan 2025

- Contributed to the **Gold Inventory Management System** by building and maintaining backend modules using **Django** in a containerized **Docker** environment.
- Assisted in **integration and testing**, ensuring smooth communication between backend services and frontend components.
- Collaborated closely with the product team to refine requirements and deliver production-ready features.
- Supported **deployment of applications on AWS EC2 instances**, optimizing configuration for availability and scalability.
- Utilized **StarUML** for system modeling and architecture documentation, improving project maintainability and communication across the team.
- Using **Docker** for dev containers and **ngrok** for tunnelling; **Postman** for API testing.

Remote Full-stack Developer — *Custom Mini-ERP* | Addis Ababa, Ethiopia
March 2025 – Present

- Developing school management ERP with modular **React frontend** and **ASP.NET backend**.
- Integrated APIs, authentication, and role-based access control.
- Managed **deployment and hosting** using **IIS**, and upgraded to **Kestrel web server** to improve **security, performance, and reliability**.

EDUCATION

Bachelor of Science in Computer Science — *Saint Mary's University*
CGPA: **3.98/4.0** | Graduated with Very Great Distinction

- **Awards:** Highest recognition in Computer Science program.
- **Exhibitions:** Presented projects at Saint Mary's ICT Expos (8th & 9th).

SELECTED PROJECTS

- **AAU Multimedia Booking System** — Laravel → Django & React, Dockerized Upgraded system for performance and maintainability; implemented containerized backend & frontend for scalable deployments.

- **Pneumonia Detection (CNN, Flask)** — Award-winning University project
built a CNN-based medical image classifier; presented at ICT exhibitions and received recognition.
- **Supermarket Management (Java, Desktop)**
Team project for sales & inventory; showcased at university exhibitions.
- **School Timetable & Attendance System (ASP.NET, AJAX, Stored Procedures)**
Senior project implementing timetable generation and attendance automation.
- **Traffic Flow Prediction (RNN / LSTM, Bi-LSTM)**
Designed models to capture temporal-spatial patterns in traffic datasets.

CERTIFICATIONS & HONORS

- **Verified Online Machine Learning Course** — Simplilearn
- **Verified Online Python Course** — Simplilearn
- **Nanodegree Program Completion** — Android Developer Fundamentals
- **8th and 9th Saint Mary's University ICT Expo Awards**— Saint Mary's University
- **Golden Cup Award and Recognition certificate — Highest Academic Achievement, Computer Science Department —** Awarded for graduating with the highest CGPA (3.98/4.0), recognizing outstanding academic excellence.
- **Recognition — AAU Multimedia Booking System —** Acknowledged for successful design, deployment, and upgrade (Laravel → Django + React, containerized with Docker) with strong dedication to performance and scalability.
- **Recognition — Remote Custom Mini-ERP (React + ASP.NET) —** Credited for significant contributions to **frontend/backend integration, API development, and new feature delivery** for a school management ERP, demonstrating strong dedication, teamwork, and problem-solving skills.

LANGUAGES

- **English:** Upper Intermediate (B2)
- **Amharic:** Proficient (C2)