Biruk Molla

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ABOUT ME

Aspiring computer science student building real web applications and security tools using Python, JavaScript, and modern frameworks.

Strong interest in cybersecurity, software engineering, and scalable system design.

EDUCATION

Cruise Steps School — Addis Ababa, Ethiopia
Secondary Education (Grades 12) — *Expected Completion: 2026*

− Focused on mathematics, computer science, and independent technical projects
− Completed multiple school-based and independent software development projects

SELECTED PROJECTS

School Management System | *Django, React, PostgreSQL* | Reduced manual work by 60% — 2024

− Built a full-stack school system with role-based access and secure authentication
− Designed REST APIs and database models for real-world school workflows

XSS Vulnerability Scanner | *Python, Flask* | Reduced manual Testing by 50% — 2025

− Developed a tool to detect potential XSS vulnerabilities in web applications
− Automated payload injection, response analysis, and reporting

Web Reconnaissance & Vulnerability Dashboard | *Python, Flask* | Reduced manual analysis by 40% — 2025

− Created a dashboard to track discovered endpoints and security findings
− Visualized results to support ethical penetration testing workflows

Document Management System | *Django, React, PSQL, Docker* | Reduced manual work by 75% — 2025

− Designed a centralized system for uploading, organizing, and retrieving documents with role-based access
− Automated document workflows and search to improve accuracy and reduce processing time

CERTIFICATIONS & TRAINING

Programming Fundamentals — Udacity

Android Developer Fundamentals — Udacity

AI Fundamentals — Udacity

Data Analysis Fundamentals — Udacity

INSA Summer Camp Program (1 Month)

Certificate from Ethiopian Statistical Service

ACADEMIC INTERESTS

Computer Science, Cybersecurity, Secure Systems Design

Web Application Security and Ethical Penetration Testing

Software Engineering and Scalable Backend Systems

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS
Frameworks: Django, Flask, React
Databases: PostgreSQL
Tools: Git, Linux, Docker, VS Code
Security: Web Penetration Testing, JWT, Secure API Design
– Hands-on experience solving **Capture The Flag (CTF)** challenges focused on web security and exploitation