

# Filmon Mehari

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## Profile

Cybersecurity Master's student specializing in cloud and industrial system security, with a strong foundation in software development and AI. Hands-on experience securing cloud and cyber-physical environments through firewall configuration, identity management, vulnerability assessment, and compliance frameworks. Seeking a thesis or part-time role in cybersecurity to apply and expand expertise in cloud security and industrial protection.

## Education

MSc Cybersecurity | Högskolan Väst | Trollhättan | 2025–Present

- Labs: OpenPLC, Modbus/TCP, vulnerability scanning, honeypot monitoring, and firewall configuration.
- Ongoing coursework in Cloud Security including identity & access management, cloud network security, and data protection.
- Practical work with Proxmox, FortiGate/Fortinet, Splunk, OpenVAS, Kali, and Tenable.
- Understanding of cloud governance, compliance, and legal frameworks in cybersecurity.

BSc Computer Science | Jönköping University | Jönköping | 2022–2025

- Thesis: AI-based real-time people counting using RGB, depth, and infrared data.
- Applied deep learning and data fusion to improve accuracy while ensuring data privacy through anonymization.

High School, Natural Science | Katrinelundsgymnasiet | Göteborg | 2018–2021

## Relevant Coursework & Projects

- Cloud Security & Governance: Cloud architecture, identity management, network and data security, compliance, and best operational practices.
- Cybersecurity Policy & Law: Legal frameworks, cybersecurity policy design, and ethical aspects of data privacy.
- Cyber-Physical System Security Labs: Secured industrial control systems (OpenPLC, Modbus/TCP) using nftables firewalls and centralized logging.
- Vulnerability Assessment: Conducted scans and analysis using OpenVAS, Tenable, and Kali to identify and mitigate vulnerabilities.

## **Experience**

Cybersecurity Labs | Högskolan Väst | 2025

- Configured nftables-based firewalls, centralized logging, and Fail2Ban.
- Conducted vulnerability scans and simulated attacks, documenting findings.

Developer/Tester Intern | Sweco | Jönköping | 2023

- Created a React Native prototype and integrated REST APIs.
- Conducted software testing and bug fixes using NUnit.

Assistant Support | Göteborg Stad | Göteborg | 2022–2025

- Assisted individuals with special needs, ensuring safety and medication administration.

Part-time Arena Staff | GotEvent | Göteborg | 2020–2023

- Provided customer service and operational support at Scandinavium and Ullevi arenas.

## **Skills**

Cybersecurity & Networking: OpenPLC, Modbus/TCP, nftables, Fail2Ban, FortiGate/Fortinet, Splunk, OpenVAS, Kali, Tenable, cloud identity management, compliance frameworks.

Programming & Software Development: Python, C++, Java, Kotlin, Swift, React, Node.js, REST APIs, NUnit.

AI & Machine Learning: Deep learning (YOLO), data fusion, supervised and reinforcement learning.

Tools & Version Control: Git, GitHub, Docker (basic), Linux administration.

## **Languages**

English | Swedish | Tigrinya

## **Additional Information**

Driving License (B) | Interests: Reading, Music, Football