# MUSTAFAH RAHIMI

B.Sc. in Computer Engineering

## PERSONAL INFORMATION

**Name:** Mustafah Rahimi
**Address:** Smedsgatan, Munkfors
**Telephone:** 076 005 5856
**Email:** mustafahrahimii@gmail.com

**LinkedIn:** linkedin.com/in/my-profile
**Website:** mustafahrahimi.github.io

## TECHNICAL SKILLS

**Programming Languages**

C, C++, C#.Net, Java, Kotlin, Python, SQL, MATLAB, MIPS Assembly

**Web & Application Development**

HTML, CSS & JavaScript, Android, Desktop Applications, WordPress

**Tools & Platforms**

Git & GitHub, Jira

GitHub Actions (CI/CD),

Docker, Linux, VMs

**Project Methodology**

Agile Development (Scrum, Kanban)

**Other Technical Skills**

Networking (TCP/IP - stack)

Network Security (OWASP, firewalls)

DNS (Domain Name System)

ML / Data Analysis / Model Training

## LANGUAGE

Swedish (fluent)

English (fluent)

Persian (fluent)

## DRIVING LICENSE

B (Car License)

## REFERENCES

**Bengt Hallinger**, Lead System Analyst -*Tietoevry, Karlstad*

✉ bengt.hallinger@tietoevry.com

## PROFILE

Recently graduated computer engineer with a strong interest in software development and communication technology. I am motivated by new challenges and creative problem-solving, and I see technology as a tool to create smart and useful solutions.

My experiences have made me confident in communicating with people from diverse backgrounds, maintaining structure in my work, and taking responsibility—both when working independently and in a team.

## ARBETSLIVSERFARENHET

**Thesis – Tietoevry, Karlstad**

January 2025 — July 2025

- Developed and implemented LDPC coding algorithms in *C++, CUDA,* and *MATLAB.*
- Conducted performance comparisons between *CPU* and *GPU* in 5G coding to optimize latency and efficiency.
- **Result:** Achieved approximately **98%** shorter computation time for large message sizes through GPU acceleration.
- Experience in high-performance programming, GPU acceleration, algorithm optimization, and performance analysis in 5G systems.

**IT Coordinator – KAAJ Association, Karlstad**

August 2023 — now

- Maintain and further develop the association's website.
- Develop ongoing internal digital tools for member management and event registrations.

**SI Leader – Karlstad University**

August 2023 — November 2023

- Tutored students in mathematics courses.
- Strengthened my ability to explain technical problems clearly and pedagogically, as well as to guide and engage others in problem-solving.

**Support Staff in Social Psychiatry – Hagfors Municipality**

March 2023 — July 2025

- Supported caretakers by planning daily activities, documenting medication, and monitoring health data.
- Developed skills in systematic data reporting, digital documentation, and clear communication and teamwork.

## EDUCATION

**B.Sc. in Computer Engineering – Karlstad University**

August 2022 — June 2025

**Technology Program – Karlberg High School, Åmål**

August 2019 — June 2021

**Technology Program – NTI High School, Karlstad**

August 2018 — June 2019