

# MUSTAFAH RAHIMI

B.Sc. in Computer Engineering

## PERSONAL INFORMATION

**Name:** Mustafah Rahimi  
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## 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)

### Networking & AI

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 – Passenger car

## REFERENCES

**Bengt Hallinger**, Lead System Analyst - **Tietoevry, Karlstad**  
✉ [bengt.hallinger@tietoevry.com](mailto: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.

I am confident in communicating across diverse environments, working in a structured way, and taking responsibility. Furthermore, I enjoy working both independently and as part of 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

*Specialization: Software Development, Networking, and Data Communication*

### Technology Program – Karlberg High School, Åmål

August 2019 — June 2021

### Technology Program – NTI High School, Karlstad

August 2018 — June 2019