

MUSTAFAH RAHIMI

B.Sc. in Computer Engineering

PERSONAL INFORMATION

Name: Mustafah Rahimi
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LinkedIn: [linkedin.com/in/mustafah](https://www.linkedin.com/in/mustafah)
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)

Networking & AI

Networking (TCP/IP stack)
Network Security (OWASP, Firewalls)
DNS (Domain Name System)
ML / Data Analysis / Model Training

LANGUAGES

Swedish (fluent)
English (fluent)
Persian (fluent)

DRIVING LICENSE

Category B

REFERENCES

Bengt Hallinger, Lead System Analyst - **Tietoevry, Karlstad**
✉ bengt.hallinger@tietoevry.com

PROFILE

Recent Computer Engineering graduate with practical experience in software development, networking, and data communication, motivated by new challenges and creative problem-solving. I view technology as a driver of sustainable and value-creating solutions for people and society.

I am seeking my first step into the professional world, where I can apply my knowledge, learn new technologies, and create meaningful solutions.

WORK EXPERIENCE

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 — Present

- 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 (Part-time alongside studies)

- 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