MUSTAFAH RAHIMI

B.Sc. Computer Engineering

PERSONAL INFORMATION

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

LinkedIn: 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 networking, data communication, and software development. I thrive on new challenges and enjoy exploring creative solutions to tackle problems. I believe that technology can be used to solve problems and bring added value to both individuals and society.

I am currently looking for my first job where I can put my knowledge to use, work with emerging technologies, and contribute to meaningful projects.

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 2024 — Present

- Responsible for system maintenance, reporting and technical support.
- Develop tools for member management and internal administration.

SI Leader – Karlstad University

August 2023 — November 2023

- Planned and led group tutoring sessions in mathematics.
- 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)

- Planned daily activities and followed up on 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

Specialization: Information and Media Technology

Technology Program – NTI High School, Karlstad

August 2018 — June 2019

Specialization: Information and Media Technology