

Abdirahman Jibril

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Professional Summary

Final-year Information Technology student at Aalto University, graduating in December 2026 after completing a three-year degree in 2.5 years. My practical work spans machine learning, AI-assisted software development and network security research. I want to build useful AI and automation solutions, take ownership of technical tasks and keep improving the result. Teaching and childcare work have strengthened my communication, teamwork and ability to adapt.

Education

Aalto University, School of Electrical Engineering <i>B.Sc. (Technology), Information Technology</i>	2024-Dec 2026 (expected)
• Three-year degree planned for completion in 2.5 years. • Bachelor's thesis: Machine Learning-Based Internet Traffic Classification from a Cybersecurity Perspective. Literature review of encrypted traffic, learning methods, dataset quality, drift and deployment constraints.	

Technical foundation

Languages: Python, Java, C, C#, JavaScript, SQL, Bash.
Data & ML: pandas, NumPy, scikit-learn, Jupyter; regression, preprocessing and model evaluation.
Building & workflow: React, Flask, AWS, Cloudflare, Git, Linux; ChatGPT/Codex for coding, documentation and testing.

Selected projects

Used-vehicle price prediction <i>Machine Learning coursework; portfolio revision</i>	2025-2026
• Compared linear regression and decision trees using vehicle attributes and validation/test error metrics. • Prepared a reproducible Python pipeline with fold-local preprocessing, baseline comparisons and cross-validation, plus a Jupyter notebook and LaTeX report. Revised evaluation awaits the source dataset.	
jibril.im - Personal engineering portfolio <i>Astro, TypeScript, React & Cloudflare</i>	2026
• Built and deployed a responsive portfolio with project case studies, a thesis page and document downloads, using AI coding tools to implement, test and refine the site.	

Professional experience

Aalto University <i>Teaching Assistant - Computer Science & Mathematics</i>	Sep 2025-present
City of Helsinki <i>Substitute Teacher</i>	Nov 2023-present
• Provide substitute teaching in Helsinki schools alongside university studies.	
Seure Henkilöstöpalvelut Oy <i>Daycare Worker - Helsinki, children aged 3-5</i>	Aug 2022-Nov 2023
• Supported daily care and supervised play, meals, outdoor activities and rest routines for children aged 3-5. • Helped children with dressing, hygiene, social interaction and transitions; worked with the daycare team to maintain a safe, calm routine.	
Swappie <i>Production Specialist</i>	Oct 2021-Aug 2022
• Diagnosed and refurbished iPhones, including screen, battery and speaker replacement; prepared orders for dispatch.	
Oodi Central Library <i>Library Assistant</i>	Jun-Jul 2020

Volunteering, training & languages

Slush <i>Student Volunteer - pre-event badge collection, printing and attendee support.</i>	Nov 2024
Training: Hygiene Proficiency Certificate - Evira (Apr 2018); Early Childhood Services - Seure (Nov 2019); First Aid 1 & 2 - Finnish Red Cross (Nov 2018; expired Nov 2021).	
Languages: Finnish and English: working languages. Somali: native.	