



PAAVO REINIKKA

PROFILE

AI and Machine Learning specialist with a comprehensive technical background and mastery of Python. Skilled in Spark, cloud infrastructure, and data engineering, with a proven ability to handle complex data workflows. Leveraging experience in research and education, acts as a collaborative partner focused on transforming data into practical business value.

TECHNICAL SKILLS

- Programming
- Cloud computing
- Databases
- Extract, transform, load (ETL)
- Data modeling & warehousing
- Data visualisation
- Fundamentals of AI development
- Machine Learning
- Cybersecurity, Data privacy and Governance
- DevOps & Deployment

TECHNOLOGIES

- Python
- R
- C/C++/C#
- fastAPI
- JavaScript
- Svelte
- MATLAB
- SQL
- noSQL
- PostgreSQL
- Spark
- Docker
- Azure
- Databricks
- PowerBI
- Git
- Linux
- Playwright
- Langchain
- Huggingface LLM's
- openAI API
- PyTorch

WORK EXPERIENCE

Freelancer (AI Developer)

10/2024 – 12/2025

Operated as AI Developer for early-stage startup, designing and implementing custom machine learning models.

Research Assistant

(Statistical Association Mining Team)

Aalto University

01/2024 – 09/2024

Worked on Parkinson's disease research in collaboration with the University of Eastern Finland. Performed significance testing on LC-MS metabolomics data, applying methods such as Benjamini-Hochberg/Yekutieli corrections.

Leading Teaching Assistant

Aalto University

10/2022-01/2024

Responsible for teaching and developing new instructional content for Data Mining course.

Teaching Assistant

Aalto University

03/2021-09/2022

Responsible for developing teaching materials and providing in-person and remote guidance for data science courses (including Deep Learning, Machine Learning and Data Mining)





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Research Assistant

05/2019–09/2019

Aalto University

Conducted sensitivity analysis (using Sobol indices) on predictive models related to crop yield forecasting in Finland, utilizing data from the ELY Centre database.

Carpenter, Construction Worker

2005 - 2015

*Ramirent Oy, Selecta Oy,
Renton Oy, Rakennuspalvelu Oy*

Performed tasks including concrete formwork, framing, and cladding. Assembled site containers and worked on construction projects.

EDUCATION

Skillio Data & AI Engineer Program

Skillio, 01/2026-03/2026

Bachelor of Science (Technology) Electronics and Electrical Engineering

Aalto University, 2016-2022

Master of Science (Technology) Machine Learning and Artificial Intelligence

Aalto University, Ongoing (thesis pending)

LANGUAGE SKILLS

- **Finnish** – native
- **English** – excellent
- **Swedish** - limited proficiency

