

Konsta Kiirikki

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EDUCATION

Bachelor of science in Applied Mathematics

Aalto university

2024-

- time-series analysis, stochastic processes, ML. Minor in Data science.
 - Elective courses on probabilistic machine learning and dynamic optimization.
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EXPERIENCE

Junior software developer

- Developed and deployed algorithm-modules in Python. R&D projects, PoCs in wide range of topics including local LLMs, Bayesian neural networks and ai agents.
- Python, Docker, CI/CD, cloud deployment (Azure, Verda).

Ai4value
May 2025-Present

IoT developer trainee

- Designed and built ESP32 sensor network, where measurement data was shared to end user through a web-based user interface.
- Familiarized myself with the ESP32-platform and its WiFi and Bluetooth capabilities.

University of Oulu
June 2019

PROJECTS

Junction2025: Ease

- Trained an Bayesian neural network to predict personalized risk of migraine.
- Offline-training on synthetic data. Proved that active learning converges in deployment.

AaltoAI: Predicting electricity spot-prices

- Trained a LSTM-model to predict electricity prices from weather- and consumption data.
- Performed data-analysis with Pandas, Numpy and TensorFlow in Python

RSSI-based indoor location system

- Predicted indoor location of a target device with statistical models from target's advertisement call.
 - Fitted non-linear data using physics-based function and Least-Squares method.
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SKILLS

Hard skills

Programming (Python, Scala, C++, MATLAB, R)
Statistical models, time-series prediction and stochastic processes
Probabilistic machine learning.

Soft skills

Mathematical and analytical thinking
Teamwork and cooperation
Design and problem solving