



# Emil Jakobsen

DATA SCIENCE & MACHINE LEARNING · PYTHON · ENTERPRISE DELIVERY

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Seeking part-time / student work · Hours and start date by agreement · BSc expected June 2028

## // PROFILE

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Machine Learning and Data Science student at the University of Copenhagen, seeking hands-on part-time or student work in data science, machine learning, applied AI or software development. I programme in Python and develop my technical skills through university work and independent projects, alongside AI-assisted product development. I bring more than eleven years of enterprise implementation experience from Siemens, ZEISS and TÜV SÜD, with a practical understanding of requirements, complex systems and delivery.

## // SELECTED PROJECTS & MY CONTRIBUTION

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### Dividend dashboard

Original programming, followed by Claude-assisted development

- › Programmed the original Python dashboard; used Claude to expand robustness, portfolio backtesting and benchmark comparisons.
- › Challenged favourable results by examining costs and benchmark assumptions. Built a research tool with explicit limitations.

### Nordic Trails

Live hiking platform · Product direction · Claude Code build

- › Led functionality, design, bug identification and implementation decisions for [nordictrails.dk](https://nordictrails.dk). Claude Code generated the code; I focused on product behaviour and iteration.

### Archat

Small MVP · Danish building specifications

- › Local document search, chat and experimental Word-template drafting using Qwen3.5 4B, targeting Jetson Orin Nano. Retrieval and output quality remain evaluation priorities.

### JA Tracker

Internal planning tool · Project manager, customer and product owner

- › Defined and reviewed a workflow for work, study, projects and time tracking. Claude built the application; I directed requirements and product iterations.

### FP-1: Electricity production

Forecasting study · Work in progress

- › Exploring Danish regional production data. Next steps: simple forecasting baselines and chronological evaluation; predictive performance is not yet established.

## // RELEVANT CAPABILITIES

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**Programming & study:** Python, SQL, F# and R through original projects and university work; ongoing machine-learning and data-science study.

**Product & delivery:** Requirements, process design, stakeholder coordination, user-facing review, bug identification and AI-assisted development.

**Learning priorities:** Developing mathematical and statistical foundations, algorithms and predictive modelling alongside programming.

## // PROFESSIONAL EXPERIENCE

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### TÜV SÜD

Jan 2024–Present

Senior Global Programme & Project Manager — HCM Implementation

- Lead the functional implementation for 28,000 employees across SuccessFactors modules, coordinating global process design, harmonization and stakeholder alignment.
- Working part-time, 20 hours per week, since September 2025, focusing on testing alongside the degree. Hours and transition timing for a new role are by agreement.

### DUOS

Mar–Jul 2026

Programming Tutor

- Tutored a University of Copenhagen student in programming, supporting a successful re-examination.

### TÜV SÜD

Nov 2022–Dec 2023

Regional HCM Implementation Lead / Consultant — Digital Learning Implementation

- Regional HCM implementation responsibility for Western Europe (Nov–Dec 2023), following digital learning implementation for 13,000 employees in Germany (Nov 2022–Nov 2023).

### ZEISS

Jun 2020–Dec 2021

Senior Manager, HCM Implementation

- Designed and implemented a global performance-management approach in Workday. Prepared executive-board reporting and annual performance dialogues for the top 250 managers.

### Siemens AG

Jul 2016–May 2020

Programme Manager / Project Manager, Board Member Office

- Managed global programmes, executive stakeholder work and process improvement; collaborated across more than 34 cultures.

### Siemens Denmark / Nordics

Nov 2013–Jun 2016

Specialist — People and leadership development / Consultant — People Development

- Specialist (Nov 2013–Mar 2015): developed organisational-development KPI dashboards using HCM data covering 15,000 employees.
- Consultant (Apr 2015–Jun 2016): developed a continuous-development approach for more than 1,000 users and simplified a complex HCM process into four user-facing steps.

## // EDUCATION

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### University of Copenhagen

2025–2028

BSc Machine Learning and Data Science · In progress, expected June 2028

### IESE Business School

2020–2023

Executive MBA

### Copenhagen Business School

2011–2013

MSc Business Administration

### Roskilde University

2008–2011

BA Business Administration

## // LANGUAGES & ADDITIONAL CONTEXT

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**Languages:** Danish: native · English: professional · German: fluent · Swedish/Norwegian: basic.

**Training:** Siemens project-management training (4 weeks, 2014); Young Professionals Program (2015); Change Management & Influencing (2017).

**Interests:** Multi-day hiking, personal investment research, reading and year-round swimming.