

Data and AI Engineering F.E.C 2026

10.11.2026 – 12.5.2027

About Data and AI Engineering F.E.C. program

Through a recruitment training program, your organization gains a motivated professional who is committed to developing their skills. F.E.C programs offer a cost-effective, flexible, and reliable way to find new talented individuals for your organization.

During the six-month F.E.C training period, the participant works in agreed-upon tasks within the partner organization, with the shared goal of achieving success in the role and securing a positive recruitment decision — either after the program or even during it. Alongside their work, the participant deepens their expertise through Aalto EE training modules, aligned with the specific theme of the program.

Data and AI Engineering F.E.C. program

Recruitment Training Program – Building Future Data Engineers for Your Organization

Companies across industries are increasingly harnessing the power of data-driven decision making. This requires skilled professionals capable of managing, processing, and transforming data into actionable insights. The Data and AI Engineering F.E.C program gives candidates the foundational knowledge and strong practical abilities needed to start a career in data engineering — preparing them to contribute effectively to their future employer's data and AI initiatives from day one.

Data and AI Engineering F.E.C. details

- Training Period: 10.11.2026 – 12.5.2027
- Location: Aalto University, Espoo, Finland or live online
- Language: English
- Delivery Mode: Onsite
- Scope: Core studies: 10 onsite days, Elective studies: 7–9 onsite/online days, 5 remote days, 96–98 working days in a partner company
- Enrollment Deadline: October 8, 2026

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Altogether 22-24 days:

- Orientation 1 day
- Data and AI Engineering entity 10 days (8 coursedays + 2 remote days)
- Optional studies, contact modules and/or online courses 10-12 days (7-9 course days + 3 remote days)
- Program Closing 1 day

Capabilities after completing the Data and AI Engineering entity

Upon successful completion of this 10-day entity, candidates with prior software development experience will be able to:

1. Understand the Integrated Lifecycle: Articulate the end-to-end process involving data acquisition, processing, feature engineering, model training, deployment, and monitoring.
2. Design Data & Feature Pipelines: Architect and implement batch pipelines that serve both analytical reporting needs and ML model feature requirements.
3. Engineer Features at Scale: Utilize SQL, Python (Pandas), and Spark to create, transform, and manage features for ML models, understanding the role of Feature Stores.
4. Apply MLOps Principles: Understand and apply core MLOps concepts including version control (data, code, models), experiment tracking, model registration, and CI/CD basics for ML.
5. Deploy ML Models: Implement common model deployment patterns, including batch scoring integration and building real-time prediction APIs.

Contact



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