Internship in New Programmes and Services Division

Internship for AI Engineering and Prototype

This internship offers a unique opportunity to contribute to innovative applications of Artificial Intelligence (AI) and Machine Learning (ML) in Engineering and Integration, Verification & Validation (IVV) processes at EUMETSAT.

The work supports prototyping activities aimed at automating engineering artefact generation, enhancing traceability, and embedding AI/ML methods into a DevOps-aligned system engineering framework.

Key elements of the project include:

- Support prototyping of AI/ML tools to assist in generating and validating engineering artefacts (requirements, test cases, procedures, reports).
- Contribute to data preparation, analysis, and model evaluation tasks supporting AI-assisted IVV workflows.
- Assist in documenting prototypes and preparing presentations, as well as supporting demonstrations to stakeholders. This will also involve tracking progress using JIRA and contributing to knowledge sharing on Confluence.

Duties

- Assist in identifying use cases for AI/ML within IVV and system engineering workflows;
- Support prototyping of AI/ML applications (e.g. test case automation, anomaly detection, document generation);
- Contribute to the integration of AI prototypes within a DevOps-aligned framework (CI/CD, automation, traceability);
- Prepare technical notes, prototype documentation, and results presentations;
- Participate in knowledge-sharing activities and demonstrations of prototypes;
- Support in using JIRA for monitoring and reporting tasks;
- Share knowledge and Information using confluence.

LOCATION

Darmstadt, Germany

QUALIFICATIONS

The internships are open to bachelor and master students with mandatory internship requirements in relevant disciplines such as Computer Science, Data Science, Artificial Intelligence, or Systems Engineering.

LANGUAGES

The official languages of EUMETSAT are English and French. It is necessary to be able to work effectively in English.

DEADLINE

3 November 2025

Skills and Experience

- Have the ability to work effectively in English;
- Be computer literate;
- Be intrinsically motivated and curious about the internship subject;
- Be able to work independently and collaboratively;
- Have the ability to take the initiative in researching ideas;
- Have the ability to collect, collate, conceptualize and present information clearly.

Additional specific requirements:

- Basic knowledge of AI/ML methods and programming (e.g. Python, TensorFlow, PyTorch);
- Understanding of software/system engineering principles;
- Analytical and problem-solving skills.

Desirable:

- Knowledge of JIRA and Confluence would be an added value;
- Familiarity with requirements engineering, verification & validation concepts;
- Knowledge of development automation workflows.

Employment Conditions

Length of internship: **6 months**
Anticipated start date: **Early 2026**

The internship will require a non-disclosure agreement and potentially a basic background check for the intern, due to the sensitivity of the provided information.

No salary is paid to interns who are still in studies, however a daily allowance and contribution to travel / accommodation costs may be provided.

As of 1 January 2026, interns may be granted a daily allowance of EUR 25 per day, relocation cost reimbursement of up to EUR 400, and accommodation cost reimbursement of up to EUR 1000 per month.

Interns are responsible for providing their own health and accident insurance and for finding their own accommodation in Darmstadt.

Consideration may also be given if the internship is not a mandatory part of curriculum, for a maximum duration of three months.

EUMETSAT is committed to providing an equal opportunities work environment for men and women.
Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT.

About EUMETSAT

EUMETSAT is Europe’s meteorological satellite agency. Its role is to establish and operate

meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

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