Internship for Generative AI for Systems Engineering

This internship places you at the intersection of Generative AI and modern DevOps practices within the context of systems engineering at EUMETSAT. As an intern, you will actively contribute to the design, prototyping, and integration of AI-driven solutions that automate and optimize engineering processes, with a special focus on Integration, Verification & Validation (IVV) activities.

You will gain hands-on experience with state-of-the-art Generative AI, applying them to real-world challenges such as automated document generation, requirements analysis, and anomaly detection. Your work will support the development and evaluation of AI prototypes that enhance traceability, accelerate engineering workflows, and improve decision-making in complex system environments.

In parallel, you will be immersed in DevOps methodologies, contributing to the seamless integration of AI prototypes within a CI/CD pipeline and supporting automation and traceability across the engineering lifecycle. You will use tools like JIRA for project tracking and Confluence for collaborative documentation, while preparing technical notes and presenting results to stakeholders.

This role is ideal for candidates eager to apply Generative AI and LLMs in engineering, deepen their DevOps expertise, and develop technical communication skills in an international, multidisciplinary team.

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
- 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

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.

Suitable also for final-year Bachelor or Master students.

LANGUAGES

It is necessary to be able to work effectively in English.

DEADLINE

29 January 2026

DevOps-aligned framework (CI/CD, automation, traceability);

confluence.

Skills and Experience

- Basic knowledge of AI/ML methods and programming (e.g. Python, TensorFlow, PyTorch).
- Understanding of software/system engineering principles.
- Analytical and problem-solving skills.
- Excellent interpersonal skills and ability to work within a team.

Desirable:

- Knowledge of collaborative software (i.e. Atlassian Suite: JIRA and Confluence) would be advantageous.
- Familiarity with requirements engineering, verification & validation concepts.
- Knowledge of development automation workflows

Learning Outcomes:

- Hands-on exposure to applying AI/ML applied to system engineering contexts.
- Experience in prototyping, modelling, and validation methods.
- Development of technical communication skills in an international environment.

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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