

VN 26/54 Junior Machine Learning Engineer for Earth Observation

The successful candidate is a highly motivated and forward-thinking junior professional, who is keen on exploring state-of-the-art concepts situated at the intersection of Machine Learning, Earth Observation and Meteorology and committed to bringing promising ones into operations. The successful candidate will become a member of a young and striving team within the Digital Solutions and SAF division, engaged in the design of innovative cloud-based services and Artificial Intelligence/Machine Learning (AI/ML) tools and solutions that facilitate the exploitation of Earth Observation and meteorological data via Machine Learning (ML) based algorithms.

The role includes cross-team collaboration with remote sensing scientists and end user representatives, literature reviews and prototyping Proof-of-Concepts for checking feasibility of Artificial Intelligence/Machine Learning (AI/ML) concepts as well as design and development of end-to-end ML pipelines.

Duties

- Keep abreast with industry trends, emerging concepts, and best practices in the field of Machine Learning for Earth Observation and Meteorology and leverage this knowledge to drive innovation by starting new proof-of-concepts;
- Prototype and evaluate AI/ML use cases for Earth observation and meteorological data, translating promising concepts into robust services;
- Design, develop, and
- Work with remote sensing scientists, product stakeholders, and external partners to define requirements, design solutions and evaluate results;
- Interact on a technical level with industrial service providers and partners from other organisations.



LOCATION

Darmstadt, Germany



QUALIFICATIONS

University degree in data science (AI/ML), remote sensing, physics, computer science or other relevant discipline.



LANGUAGES

The official languages of EUMETSAT are English and French. Candidates must be able to work effectively in English.



DEADLINE

4 January 2027

operationalise cloud-based ML services and pipelines supporting the full ML lifecycle;

Skills and Experience

- Curious and explorative mindset, with an appetite for implementation and learning from experimentation;
- Strong work discipline combined with persistence and commitment to bring initiatives to meaningful outcomes despite challenges or setbacks;
- Readiness to autonomously learn and expand the own knowledge combined with excellent interpersonal skills and the proven ability to work in a team;
- Solid understanding of ML algorithms and data science;
- Familiarity with geospatial data;
- Programming Languages, particularly Python and related ML and data handling libraries (e.g. PyTorch, Scikit-Learn, TensorFlow, Keras);
- Hands-on experience with Linux operating systems.

For this role some of the following knowledge would be advantageous:

- Knowledge of software engineering, ideally in cloud-based context;
- Familiarity with Earth observation and meteorological data and formats;
- Knowledge of atmospheric remote sensing techniques;
- Knowledge of cloud-optimized data formats;
- Working with Data Cubes.

Employment Conditions

The initial contract will be of 2 years' duration, with subsequent 5 year contracts being awarded thereafter, subject to individual performance and organisation requirements. There is no limit to the amount of follow-up contracts a staff member can receive up to the EUMETSAT retirement age of 63 and there are certainly opportunities to establish a long career perspective at EUMETSAT.

This post is graded A1 on the EUMETSAT salary scales. The starting basic salary for this post is EURO 5,912 per month (net of internal tax but excluding pension contribution and insurances) which may be negotiable on the basis of skills and experience. The salary scale provides for increments on the anniversary of taking up employment, and scales are reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information, including salary details, is available on the EUMETSAT web site.

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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