

## Geospatial Machine Learning Engineer (m/f/d)

Marble Imaging: We are a German NewSpace company, combining engineering, aeronautics & Earth Observation to address global challenges from community resilience, climate adaptation and disaster management. Marble Imaging is developing its own constellation of Very High Resolution (VHR) multispectral satellites designed to provide frequent global coverage and enable advanced Earth Observation analytics. The first Marble satellite is scheduled for launch in Q4 this year

We are a fast-growing and diverse team, comprised of highly motivated professionals from various backgrounds. We share a common vision to make EO data and analytics more accessible and understandable so they can be incorporated into rapid-decision-making.

The Team: You will be part of the Marble Data and Products (MDP) team. The team is composed of data scientists, engineers and developers working on the development of the Marble data processing software, EO-based analytics and geospatial portal development.

Location: Our headquarters is in Bremen and we have an office in Frankfurt. Candidates should be located in the Frankfurt or Bremen region and be willing to work from one of our offices at least three days per week.

Your role: As a Geospatial Machine Learning Engineer, you will contribute to the development of Marble's EO analytics stack and help transform large volumes of satellite imagery into scalable geospatial intelligence products. You will design and implement machine learning and AI-based computer vision models that extract meaningful information from multispectral and SAR satellite data.

Your main tasks:

- Implementation of machine learning, AI and computer vision models for geospatial applications
- Development and optimization of scalable processing pipelines for large volumes of Earth Observation data
- Integration of machine learning models into Marble's geospatial data processing infrastructure and analytics platform
- Processing and analysis of Earth Observation imagery (multispectral and SAR) and derived datasets to support operational geospatial analytics products
- Evaluation and validation of models with benchmark datasets
- Contribution to documentation, technical proposals, and internal development roadmaps

Your profile:

- MSc or PhD in Remote Sensing, Geoinformatics, Computer Science, Physics, or a related field
- Strong experience working with satellite imagery or geospatial raster data (multispectral required; SAR experience is a plus)
- Strong programming skills in Python and experience with geospatial libraries such as GDAL, rasterio, xarray, geopandas or similar tools
- Experience with machine learning frameworks such as PyTorch, TensorFlow, or similar
- Experience working with large datasets and distributed or cloud-based processing environments
- Experience with computer vision techniques for remote sensing (e.g., segmentation, classification, object detection)
- Ability to work in an interdisciplinary environment combining satellite engineering, geospatial analytics, and software development.

### What we offer you here at Marble Imaging

1. You will be part of a NewSpace company that is revolutionizing the world of EO with its own fleet of European satellites.
2. You will have a chance to work in a fast-growing, multi-disciplinary, and diverse team with a strong desire to change the world.
3. Participation in our VSOP (Virtual Share Option Plan).

At Marble Imaging, we are committed to fostering an inclusive and welcoming workplace. We believe that diverse voices bring diverse perspectives that fuel innovation, creativity, and the ability to tackle global challenges effectively. We encourage individuals of all races, ethnicities, genders, sexual orientations, abilities, and backgrounds to join us in our mission to change the EO world. We are an equal-opportunity employer.

Join us on our mission to explore and reimagine the possibilities of VHR EO based analytics and help us tackle global challenges. If space is the final frontier, you will be getting one step closer to reaching it with Marble Imaging. Contact us for questions and information at [contact@marble-imaging.de](mailto:contact@marble-imaging.de)

Contact for this position:

Dr. Gopika Suresh

Chief Strategy Officer (CSO)

Head of products and strategy

[gopika@marble-imaging.de](mailto:gopika@marble-imaging.de)

Marble Imaging GmbH

Court of Registration: Amtsgericht Bremen, HRB 41893