

We are looking for...

## **Data Scientist (f/m/x)**

ANNEA.ai GmbH

Hamburg, Germany / Lisbon, Portugal / Full-Remote is possible

### **WHO WE ARE**

We are ANNEA.ai, a young company based in Hamburg, Germany and in Lisbon, Portugal. We are an international team of engineers, computer scientists, experts in Internet of Things (IoT) and artificial intelligence - with many years of experience, and a strong background in engineering.

Our vision is to save resources for a more sustainable planet. Therefore, we defined our mission to make machinery more efficient through predictive maintenance. Here we focus primarily on renewable energy generation.

We offer end- to-end software-solutions for automated condition-based predictive maintenance for renewable energies. Based on profound domain knowledge, advanced machine learning and sophisticated IoT-techniques we predict future problems in the machines to make renewable energy more competitive to conventional energy generation.

### **YOUR RESPONSIBILITIES**

- Work together with Data Engineers on the implementation of the data preparation pipelines.
- Use machine learning and deep learning techniques to create scalable solutions for predictive maintenance and computer vision problems.
- Develop new tools using cutting edge technology focusing on efficiency and automation.
- Develop processes, techniques, and tools to analyze and monitor model performance while ensuring data accuracy.
- Deploy the developed models on-premise and on the cloud.
- Coordinate with various technical/functional teams to implement models and monitor results.
- Work closely with the software development team to jointly develop stable software tools.
- Collaborate with colleagues from science, engineering, and business backgrounds.
- Set up and maintain cloud architecture and setting up and maintaining notebook servers (e.g. Jupyter) linked to different instances on the cloud (AWS, Azure, etc.) or on premise.

## YOUR QUALIFICATIONS

- Advanced degree (MSc or PhD) in data science, computer science, engineering, mathematics (or comparable field). And/or at least 5 years of experience in Data Science.
- Team player mentality & pro-active personality.
- A background in reliability theory and Predictive Maintenance,
- Fluent in English is a must. Language skills in German, Portuguese and Spanish are a plus.
- Basic knowledge of the Renewable Energy industry.
- Experience in Python (with all basic libraries: at least pandas, scikitLearn)
- Proven track record in working with very large data sets and parallel processing (e.g. Spark or Hadoop, ...)
- Very good theoretical & practical knowledge of common machine learning algorithms (basics: random forests, boosting algorithms, etc.)
- Good theoretical & practical knowledge in neural networks, deep learning, and convolutional neural networks and their implementation in Python (e.g. Keras, etc.)
- Very good knowledge on statistical testing, model evaluation, etc.
- Experience with ML/AI model deployment and maintenance.
- Experience with Docker
- Cloud computing on AWS/Azure.

## WE OFFER

- Strong focus on R&D
- Freedom to develop & implement your own ideas and learn new things
- A fast-paced, dynamic environment with flat hierarchies in which you can put your skills to the test
- The opportunity to become part of a young team that is redefining the Renewable Energy market
- Offices in the heart of Hamburg and Lisbon
- Remote work possible

## YOUR APPLICATION

Call us at +49 (0) 40 22866260 or send us your CV at [jobs@annea.ai](mailto:jobs@annea.ai)