◎ Certum.ai

TUT

IDP / Application Project

Machine Learning for a Sustainable Economy

Certum.ai

Vision: Guiding the sustainability transition of the economy by creating ESG-profiles for businesses, esp. SMEs

How: AI-driven ESG data intelligence platform for use by Financial Institutions (Banks, Insurance companies, Investors)

Your IDP

Whom Are We Looking For?

- ➢ Proficiency in Python and Basic ML knowledge
- ➢ Creativity and strong problem-solving skills, with an ability to approach issues from multiple angles
- ➢ Proactivity and great communication skills

The greater your programming and ML skills, the more interesting tasks you can tackle independently.

Possible Tasks?

- ➢ **Scraping**: Crawl the web for sustainability reports using a mix of high-level tools like bright data and more traditional libraries like selenium
- ➢ **Search and Extraction**: Improve the Azure AI Search and test various LLMs (with structured output) or other NLP methods
- ➢ **Architect**: Make suggestions and help in the design of our data and ML concept
- ➢ **Prediction (long-shot):** Use the data from the previous steps to make predictions about the company indicators like GHG emissions or water consumption

Why Join Us?

- ➢ **Shape Our Core Product**: Play a pivotal role in developing our technology. Your input on potential improvements is highly valued, as we anticipate significant adjustments to our tech stack in the coming months.
- ➢ **Learning:** Thrive in a fast-paced environment, gaining deep insights into the strategic operations of an impact start-up, guided by experienced managers and serial entrepreneurs.
- ➢ **Access to Cloud Credits**: Utilize Azure or GCP cloud credits, minimizing the need for local deployments, except for script testing.
- ➢ **Culture:** Enjoy a flexible and dynamic work environment, with access to the vibrant Munich Urban Colab.

Sounds interesting?

Apply as an individual or as part of a team (2-5 members). Please send the following to contact@certum.ai: (1) CV, including grades, (2) Ideal start date and (3) Link to your GitHub account. We are partnering with the professorship of Business Analytics & Intelligent Systems at TUM.