IMK consulting
E-legal intern

Introduction to the Challenge

Large Language Models (LLM) are all the rage today, everyone is talking about them. In this challenge, we ask you to create a very preliminary version of an AI assistant (e-legal intern) for businesses, where users can delegate trivial tasks and ask questions to an LLM that compiles legal text from an e-legal corpus.

In the future, the AI assistant's task would be to provide the most accurate answers possible from the legal material learned. It is also the AI assistant's task to indicate the references of the legislation used.

The AI assistant must always have up-to-date legal knowledge, i.e. automatic relearning must be possible.

It's not a requirement for this legal text to be correct neither in a legal nor in linguistic manner, but rather to have a maintainable architecture for transfer learning. Creating an LLM is a big task, so you are welcome to solve this challenge in smaller bits and provide an architecture or a detailed plan for parts that are too big for the hackathon. You are encouraged to use sources available online, such as existing models, APIs, or services. It's also a vital part of this challenge how you can scrape and gather the data necessary to teach your model. How will you solve this challenge?

Who we are

The IMK Consulting team has outstanding experience in business and legal life, and they successfully serve a wide range of clients, including businesses, groups of companies, individuals, and municipalities. Our team prefers the use of digitization solutions to increase and optimize the efficiency of business and economic processes.

Team members:

- Dr. Magyar Dávid
- Dr. Krusóczki Bence
- David Iskander
- Silur

What we will provide

Training a model requires computational power that may not be available on your local machine. Therefore, we are providing you access to GPUs on a cloud provider where you can train your models.
Our experts will also be on the ground at the venue to provide feedback on your early ideas or prototypes. Use their time wisely and try to get as much feedback as possible early in your hackathon journey.

Implementation and technology

We do not require a specific tech stack to solve this problem, as there are many ways you could approach the solution. If you are new to this topic, look into some of the most popular frameworks that ML engineers use today:

- Pytorch
- Keras
- Tensorflow

Regarding the model, you should choose preferably a very low parameter LLM architecture.

Don't forget that some products offer APIs or are open-source, so do check out their offerings as well. (OpenAI)

Judging criteria

- Quality of scraped data
- Updateability of scraped data
- AI architecture, if used your own model (type, network layout, correct activations and norms)
- Architecture, if used GPT (APIs, proper containerization)
- Infer speed
- Transferability

Prizes

★ 3,000 € for the winner of this challenge
★ One time Legal mentoring from Dr. Magyar Dávid & Dr. Krusóczki Bence
★ One time web 3 consulting from David Iskander
★ One signed Pendrive from Silur