Development of an intelligent studying platform

(Backend - Python / Django / AWS)

Do you want to revolutionize the way students learn? Are you interested to learn more about cutting-edge technologies like machine learning or natural language processing? Are you interested or do you have experience in Web-development / Django / AWS? Then join us and apply for an IDP with StudySmarter!

StudySmarter is a Munich based start-up with the goal to develop a digital studying platform, which supports students during their studying process. By using technologies like Natural Language Processing and Machine Learning, the software generates studying content like summaries, mindmaps and flashcards automatically, in order to make the studying process smarter and more efficient for the students. Moreover, motivation and time allocation will be maximized by applying innovative pedagogical and gamification methods.

The **project part** could consist of the following work packages (depending on skills/interests):

- Further development of the RESTful interface to the frontend application
- Integration of machine learning algorithms into the Django application
- Implementation of features like summary generation, flash-card generation or a smart studying assistant in Python
- Development of the business logic of the application
- Providing scalability through further integration of Amazon Web Services (AWS)

**Theoretical part:**

- Options for the lectures are "Global Entrepreneurship", "Technology and Innovation Management", "Entrepreneurship", "Strategy & Organization" (you are free to make suggestions as well)
Requirements:

- Programming experience with Python
- Experience or motivation to learn Django or AWS
- Machine Learning skills would be a bonus
- Motivation to revolutionize our way of studying

Procedure:

- You will have one advisor from StudySmarter and one supervisor at the Entrepreneurship Research Institute.
- We will define the theoretical part and work packages according to your skills and preferences in a kick-off meeting
- Regular update meetings, but flexible working times
- Working space: flexible (options are eGym co-working space near Marienplatz, TUM-Incubator or UnternehmerTUM in Garching / remote tasks)
- Team applications possible
- Start date: asap, but flexible

Contact:

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We are looking forward to meeting you! For further questions, please shoot us a mail to: Simon.Hohentanner@studysmarter.de
If you are up for a challenge, we are happy to welcome you on board!