

Romanian company, developer of mobile applications, seeks partners able to provide a machine learning algorithm for speech recognition and feedback on pronunciation under commercial agreement with technical assistance or R&D cooperation agreements.

## Summary

Profile type	Company's country	POD reference
<b>Technology request</b>	<b>Romania</b>	<b>TRRO20220806001</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Commercial agreement with technical assistance</b> <b>Research and development cooperation agreement</b>	<b>• World</b>
Contact Person	Term of validity	Last update
<a href="#">Cristina-Maria Balgaradean</a>	<b>6 Aug 2022</b> <b>6 Aug 2023</b>	<b>28 Dec 2022</b>

## General Information

### Short summary

A Romanian company develops customized native mobile applications for the educational sector, focused on excellent user experience and meeting clients' specific requirements. To complete one of its projects, the company seeks an international partner with expertise in developing machine learning algorithms for speech recognition. Cooperation will be based on commercial agreement with technical assistance or research and development cooperation agreements.

### Full description

The Romanian company is a mobile applications developer with 10 years' market experience that has grown organically with its partners. The company's expertise is focused on developing native mobile applications aligned with the latest smartphone technologies to offer excellent user experience. In its design process, the Romanian company carefully identifies and understands partners' needs to provide the best solution for their audience. To achieve this, the company relies on a well-established team of product experts, designers, and developers.

The company's services portfolio includes:

- Product design
- User Interface (UI)/User Experience (UX) - wireframing and UI design
- Mobile development (iOS/Android)
- Web development
- Quality assurance
- Project management
- Product management

The company's clients currently include SMEs and NGOs across Europe (i.e. Germany, Spain, The Netherlands) and the US in the education technology industry, as well as other domains. Projects in the educational field completed so far include the development of personalised cloud desktop solutions for schools, collaborative working solutions for education, digital decks for instruction, and analytics.

The company has recently been requested to complete a new project focused on supporting students improve pronunciation in a foreign language, as well as their mother tongue. To complete the project, the Romanian company is interested in identifying international business partners able to provide expertise for building a machine learning algorithm to train a speech recognition functionality that would be able to provide students with relevant feedback on how they pronounced a specific word or phrase. Such feedback should not be limited to recognising the phrase, but specifically indicate where pronunciation issues emerge.

Cooperation with potential partners will be based on commercial agreements with technical assistance or research and development cooperation agreements.

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#### Advantages and innovations

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#### Technical specification or expertise sought

The Romanian company seeks international partners able to provide or develop a machine learning algorithm to train a voice recognition functionality to provide students feedback on pronunciation when learning a foreign language or seeking to improve pronunciation in their mother tongue. In depth feedback is required in the sense that feedback should not be limited to simply recognizing whether a specific word or phrase had been spoken, but it should indicate where and which pronunciation issues emerged.

Potential partners will also provide relevant expertise and consultancy to best identify specific technical requirements so that the final product will accommodate all functionalities desired by the final client.

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#### Stage of development

#### IPR Status

**No IPR applied**

#### Sustainable Development goals

- **Goal 4: Quality Education**

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## Partner Sought

#### Expected role of the partner

The Romanian company is interested in identifying international business partners able to provide machine learning expertise in the field of voice recognition and specific pronunciation feedback. Potential partners include SMEs experienced in providing machine learning solutions, as well as universities or research and development institutes active in machine learning projects, with focus on voice recognition.

Potential partners will provide relevant expertise and consultancy to best identify specific technical requirements so that the final product will accommodate all functionalities desired by the final client.

Cooperation with interested partners will be based on commercial agreement with technical assistance or research and development cooperation agreement.

#### Type of partnership

**Commercial agreement with technical assistance**

**Research and development cooperation agreement**

#### Type and size of the partner

- **Big company**
- **University**
- **SME <=10**
- **SME 50 - 249**
- **R&D Institution**
- **SME 11-49**

## Dissemination

#### Technology keywords

- **01004013 - Didactic System**
- **01005002 - E-Learning**
- **01006003 - Mobile Communications**
- **11002 - Education and Training**

#### Targeted countries

- **World**

#### Market keywords

- **02007007 - Applications software**
- **02007010 - Education software**
- **02008002 - Voice recognition**
- **02007025 - Consulting services**

#### Sector groups involved