INESC TEC | Research Grant (AE2025-0238)
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Job Title	INESC TEC	Research Grant (AE2025-0238)
Department	CESE
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Jun. 5, 2025
Application Deadline	Jun. 20, 2025
Position Start Date	Jun. 5, 2025
Job Categories	Graduate Student
Academic Field(s)	Computer Science
	Engineering - Other
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Apply By Email	
Job Description	

Research Opportunities

Inteligência Artificial, Machine Learning

Work description

The training area of the scholarship is Artificial Intelligence, with a focus on Machine Learning, and in particular the development of datasets, evaluation benchmarks and fine-tuning of models for specific tasks / domains.

The area of application of the grant holder's contributions will be industry. It is therefore hoped that this scholarship will contribute to the adoption of language models and/or multi-modal models by industry, especially in specific, high-value tasks that may not be covered by proprietary, pay-as-you-go models.

Specifically, the main activities to be carried out by the grant holder are:

1. Identifying and characterising typical, high-value tasks in industry that could benefit from integration with Generative AI models (e.g. text, vision, multi-modal).
2. Creation of synthetic datasets and/or acquisition of real datasets for model fine-tuning.
3. Generation of domain- and/or task-specific evaluation benchmarks for the tasks identified.
4. Identifying open-source foundational models and fine-tuning models for the tasks identified.
5. Collaborating in the development and validation of the artefacts developed in a real-life scenario.
6. Collaborating in the writing of technical-scientific documents and the writing of the scholarship activity report.

Academic Qualifications

- Degree in computer engineering, information systems, or related field.

Minimum profile required

- Average of bachelor's degree higher than 12.

Preference factors

- Experience in developing and using evaluation benchmarks.
- Experience in fine-tuning and integrating language models and/or multi-modal models.

Maintenance stipend: € 1040.98, according to the table of monthly maintenance stipend for FCT grants , paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and

Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: "Payment of Tuition fees to grant holders".

The grant holder will benefit from health insurance, supported by INESC TEC.

Application Period

Since 05 Jun 2025 to 20 Jun 2025

Centre

Enterprise Systems Engineering

Scientific Advisor

Davide Rua Carneiro

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- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**

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- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: Click Here

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

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