

INESC TEC | Research Initiation Grant (AE2024-0367)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=243722>

Downloaded On: Dec. 21, 2024 10:49am

Posted Aug. 27, 2024, set to expire Dec. 27, 2024

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|-----------------------------|---|
| <b>Job Title</b>            | INESC TEC   Research Initiation Grant (AE2024-0367)   |
| <b>Department</b>           | HUMANISE  |
| <b>Institution</b>          | INESC TEC<br>PORTO, , Portugal  |
| <b>Date Posted</b>          | Aug. 27, 2024   |
| <b>Application Deadline</b> | Sep. 5, 2024  |
| <b>Position Start Date</b>  | Aug. 22, 2024   |
| <b>Job Categories</b>       | Graduate Student  |
| <b>Academic Field(s)</b>    | Dentistry - General   |
| <b>Apply Online Here</b>    | <a href="https://www.inesctec.pt/en/form/notice/5052">https://www.inesctec.pt/en/form/notice/5052</a> |
| <b>Apply By Email</b>       |   |
| <b>Job Description</b>      |   |

Research Opportunity

**Computer Science and Artificial Intelligence**

**Work description**

1. Prepare the requirements specification for a software module that allows the use of large language models (Large Language Model);
2. Fine-tuning pre-trained large language models (LLMs);
3. Containerization and availability of trained models;

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4. Implementing the software module;
5. Write the grant activity report.

### Academic Qualifications

Degree in Artificial Intelligence and Data Science or similar

### Minimum profile required

1. Experience in the use of Large Language Models, from a development point of view;
2. Proven experience in fine-tuning large-scale language models;
3. Proven experience in software development using the Python programming language;
4. Experience in remote environment development and version control tools and methodologies.

### Preference factors

1. Experience incorporating large language models such as Llama, Gemini and Phi into software development pipelines;
2. Experience with the Xtuner fine-tuning tool;
3. Experience in quantitative and qualitative evaluation methodologies for large language models;
4. Experience in containerization technologies;
5. Good performance in programming courses and the development of artificial intelligence algorithms.

**Maintenance stipend:** € 601,12, 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".

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

### Application Period

Since 22 Aug 2024 to 05 Sep 2024

### Centre

Human-Centered Computing and Information Science

### Scientific Advisor

[Nelson Bilber Rodrigues](#)

### What we offer

- **Multicultural and collaborative environment**
- 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**
- 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**

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- 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

**Contact E-mail**    rh@inesctec.pt