

INESC TEC | Research Initiation Grant (AE2024-0369)
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=243723>

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

Job Title	INESC TEC Research Initiation Grant (AE2024-0369)
Department	HUMANISE
Institution	INESC TEC PORTO, , Portugal
Date Posted	Aug. 27, 2024
Application Deadline	Sep. 5, 2024
Position Start Date	Aug. 22, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Computer Science and Artificial Intelligence

Work description

1. Requirements specification for a software module that applies computer vision techniques to satellite images (SAR);
2. Definition of use cases and requirements for training and running heterogeneous environment ML models:

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3. Implement the software module;
4. Writing the activity report;

Academic Qualifications

Degree in Artificial Intelligence and Data Science or similar

Minimum profile required

1. Experience in applying segmentation and classification techniques to large datasets;
2. Proven experience in processing SAR images obtained via satellite;
3. Proven experience in software development using the Python programming language;
4. Experience in remote environment development and version control tools;
5. Degree average greater than or equal to 15 (scale from 0-20).

Preference factors

1. Experience in quantitative and qualitative evaluation methodologies for computer vision algorithms;
2. Experience with the computer vision libraries YOLO and OpenCV;
3. 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.

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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 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**

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- 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

INESC TEC - Instituto De Engenharia De Sistemas E
Computadores, Tecnologia E Ciência
Portugal

Contact E-mail rh@inesctec.pt