INESC TEC | Research Grant (AE2024-0467)
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Job Title	INESC TEC | Research Grant (AE2024-0467)
Department	LIAAD
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Nov. 8, 2024
Application Deadline	Nov. 20, 2024
Position Start Date	Nov. 7, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/form/notice/5145
Apply By Email	
Job Description	

Research Opportunities

Computer Science

Work description

Algorithms for Federated Anomaly Detection over Data Streams:

1. Stream-based algorithms definition and implementation in the federated framework;
2. Distributed learning with computational and energy constraints;
3. Compliance with privacy regulations and best practices.

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Implementation of evaluation techniques for data streams and federated learning:

1. Statistical metrics;
2. System metrics.

Writing articles for journals or conferences.

Academic Qualifications

Master in Informatics or similar area

Minimum profile required

- Strong knowledge in federated learning.
- Knowledge in data streams, online learning e anomaly detection.
- Experience with Python, River, and Flower framework.

Preference factors

- Proven experience in federated learning, demonstrated by publications in conferences and journals.

Maintenance stipend: € 1259,64, 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 07 Nov 2024 to 20 Nov 2024

Centre

Artificial Intelligence and Decision Support

Scientific Advisor

João Gama

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**
- 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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