

INESC TEC | Research Initiation Grant (AE2025-0142)

INESC TEC

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Posted Mar. 26, 2025, set to expire Jul. 26, 2025

Job Title	INESC TEC Research Initiation Grant (AE2025-0142)
Department	HUMANISE
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 26, 2025
Application Deadline	Apr. 2, 2025
Position Start Date	Mar. 20, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Computer Engineering Computer Science
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Job Description	

Research Opportunities

Computer Science

Work description

This work will begin by studying existing methods for privately sharing data in federated environments. Solutions will be tested for creating data spaces that abide to the European Health Data Spaces

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directives. Challenges to be tackled involve developing an architectural and technical definition of essential components for the creation of a decentralized data space that enables interoperable data sharing, both at the model and data transfer protocol levels. Empirical studies will be used to study and demonstrate the benefits of the proposed approach.

Academic Qualifications

- Degree in Informatics Engineering

Minimum profile required

- Knowledge in Software Engineering.
- Knowledge in Computer Networks.
- Knowledge in Distributed Systems.
- Experience in a professional context or similar.

Preference factors

- Experience in software development based in JavaScript (ES6, NodeJS).
- Experience with SQL and NoSQL databases, e.g. PostgreSQL and MongoDB.
- Experience using, integrating, and developing APIs.
- Experience with Linux and Docker technologies.
- Experience with cloud technologies and deploying solutions in on-premise infrastructures.

Maintenance stipend: € 651,12, 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

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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 20 Mar 2025 to 02 Apr 2025

Centre

Human-Centered Computing and Information Science

Scientific Advisor

[Carlos Eduardo Duarte](#)

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.

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- **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

Contact E-mail rh@inesctec.pt