INESC TEC | Research Grant (BI) (AE2024-0037)
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Job Title	INESC TEC | Research Grant (BI) (AE2024-0037)
Department	CPES
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Jan. 25, 2024
Application Deadline	Feb. 24, 2024
Position Start Date	Jan. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Computer Science
	Engineering - Other
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Job Description	

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Research Opportunity

Computer Science, Applied Mathematics, Programming, Cryptography, Algorithms

Work description

- Develop a payment chain system for paying compensation based on royalties in a data-sharing context.

- Explore methodologies for file/data comparison, using technical resources such as: Levenshtein distance, Hashing, Content Similarity Analysis Algorithms or N-gram analysis or others.

- Explore the integration of the royalty compensation component developed in connected data spaces and in the context of market and data and its effectiveness in promoting the predisposition/incentive for data owners to share data.

- Preparation of final technical report with results and analysis.

Minimum profile required

Knowledge and experience of programming in Python and JavaScript;

- Ability to work autonomously or as part of a team;

- Fluency in Portuguese or English

Preference factors

- Master's student (to be finished) or PhD;

- Experience in developing algorithms in python;

- Experience or knowledge in creating APIs, defining file bodies, headers and API tests;

- Knowledge of encryption methodologies and/or similarity analysis of file content;

- Experience in web application development;

- Fluency in English (written and spoken);

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Application Period

Since 25 Jan 2024 to 24 Feb 2024

Cluster / Centre

Power and Energy / Power and Energy Systems

Scientific Advisor

Alexandre Lucas

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