



Subject: Internship Proposal

<i>ID</i>	PTI_EN_Amadeo Marica_05/03/2026 19.38.02
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Project Supervisor

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Project details

<i>Title</i>	Evaluation of Platforms for Digital Twin Development	
<p><i>Detailed description:</i> Digital Twins are virtual representations of physical entities or systems that integrate data, computational models, and real-time interactions with their physical counterparts. By continuously synchronizing with data collected from sensors and devices, Digital Twins enable monitoring, analysis, and intelligent decision-making for complex physical systems, often leveraging Artificial Intelligence and machine learning techniques to support prediction, anomaly detection, and optimization.</p> <p>The internship activities will include:</p> <ul style="list-style-type: none">• Literature review on Digital Twin architectures• Survey and comparative analysis of existing Digital Twin platforms and development environments• Identification of DT platforms (e.g., DITTO) and their features• Implementation of a small proof-of-concept prototype into a selected platform• Comparative performance and feasibility analysis• Final technical report summarizing findings and recommendations		
<i>Duration (month – max 12)</i>		6
<i>Duration (hours)</i>		150
<i>Open positions</i>		2

Internship Skills



Technical requirements: • Basic knowledge of Python programming

- Basic knowledge of Machine Learning
- Basic understanding of REST APIs

Other skills

- Interest in Artificial Intelligence technologies
- Ability to conduct structured comparative evaluations