



Subject: Internship Proposal

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Project Supervisor

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Project details

<i>Title</i>	Agentic AI	
<p><i>Detailed description:</i> This activity aims to investigate the performance, reliability, and architectural trade-offs of available Agentic AI solutions in the literature when tackling complex, multi-step tasks. The primary objective is to compare different frameworks—such as Langghain, Autogen, CrewAI,...— and analyze the specific functionalities and features, such as complex tool orchestration through function calling and API integration, and overall performance and latency.</p> <p>The work will follow a three-phase approach: 1) Environment Setup, to define a controlled environment using a specific Agent framework built on a chosen Large Language Model (LLM). A fixed set of external tools (e.g., code interpreters, web search, database functions,...) available to all agents will also be identified. 2) Experimentation, where controlled tests are run by adjusting key system parameters (e.g., LLM temperature for balancing creativity versus stability, memory depth,...) 3) Analysis and Reporting, to calculate core metrics (e.g., success rate, average steps, average latency,...).</p>		
<i>Duration (month – max 12)</i>		12
<i>Duration (hours)</i>		60
<i>Open positions</i>		3

Internship Skills

<i>Technical requirements:</i> Good knowledge of computer networks and AI models.



<i>Other skills</i>	