University of Messina
MIFT Department
Bachelor Data Analysis

UNIME Internship Project Proposal

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Project Supervisor

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Job Position	
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Internship Project Details

Title	Study of distributed query technologies

Detailed Description: With the advent of distributed processing and increasingly complex needs for real-time data analysis, interest in distributed query technologies has grown significantly. The internship activity focuses on in-depth study of the characteristics and capabilities of emerging distributed query technologies, including Apache Drill and Presto. The goal is to evaluate best practices for implementing large-scale data processing solutions. The intern will have the opportunity to thoroughly explore the internal architecture of both systems, analyzing query execution mechanisms, performance optimizations, and data distribution strategies. During the internship, the candidate will be involved in practical activities, such as the design and implementation of case studies and specific benchmarks to evaluate the performance and scalability capabilities of the technologies under analysis in different application contexts.

Duration (months – max 12)	6
Duration (hours)	80
Potential deadline	
Number of open position	2

Internship Skills

Required skills: Knowledge of computer networks and SQL and NoSQL databases

Other skills	