

Curricular internship application form

INTERNSHIP JOB TITLE <small>(Indicates the professional role comparable to the activities performed by the trainee).</small>	Log Analysis and Correlation using ML/AI models
Applicant company	TIM S.p.A.
Requesting Line Function	IP & Transport – Software Defined Networks
Tutor <small>(Indicate the name and references of the colleague who will act as tutor)</small>	Antonio Giannone
HRO Reference	Silvia Vercelli
Requested professional profile	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"><input checked="" type="checkbox"/> Master's Degree</div> <div style="text-align: center;"><input checked="" type="checkbox"/> Bachelor's Degree</div> <div style="text-align: center;"><input type="checkbox"/> Diploma</div> <div style="text-align: center;"><input type="checkbox"/> Master Student</div> </div>
Place of work	Turin with possibility to work remotely
Job Description of the internship <small>(Describe in a simple and exhaustive way the activities that will be carried out by the resource)</small>	<ul style="list-style-type: none"> - Investigate ML/AI models that could be used to improve log analysis and correlation operations useful for: <ul style="list-style-type: none"> o troubleshooting processes identifying the root cause of an issue correlating multiple anomalies collected from the supervised environment; o making predictions to prevent issues acting in advance (i.e. replacing a malfunctioning network element).
Key skills and competences required by the role <small>(Indicate the basic skills and transversal skills necessary to fill the requested role)</small>	<ul style="list-style-type: none"> - Ability to benchmark already developed solutions identifying possible lacks and improvements; - Attitude to work in a highly structured environment interacting with different teams.
Technical skills <small>(Indicate the technical and practical knowledge required and the use of methods, materials, tools - necessary to fill the requested role)</small>	<ul style="list-style-type: none"> - Experience with clustered data processing architectures (i.e. Hadoop, Spark, Map-Reduce, Hive); - Basic knowledge in: <ul style="list-style-type: none"> o Python and Java programming; o Data analysis and manipulation tool like Pandas; o ML/AI most used frameworks like SciPy or NumPy; o IP and transport network.

<p>Language skills</p> <p>(Indicate required languages and level of knowledge)</p>	<p>English</p> <p> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </p> <p> Novice Intermediate Proficient Advanced Expert </p>
<p>Qualifications / Certifications required</p> <p>(Enter the qualifications and degree courses required)</p>	<p>none</p>
<p>Date of compilation</p>	<p>07/11/2022</p>