

Ivan Diliso - Curriculum Vitae

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Born: 27th October 1998
Status: Master Degree Student
Languages: Italian: Native, English : B2
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I am a curious, competitive, hungry for knowledge person intending to pursue my career in the data field, with a particular interest for machine learning methods and data analysis. In my projects I strive to achieve optimization and stability and have no problem in low supervision settings. I find myself well suited for team working and in my previous projects I have often been appointed as team leader.

Education

2021 - Current	Master Degree in Data Science) <i>University of Bari Aldo Moro</i>	📍 <i>Bari, Italy</i>
2017 - 2021	Bachelor Degree in Computer Science <i>University of Bari Aldo Moro</i> Master program in sciences Bachelor's Thesis: Human description in the wild: A model ensemble approach to image captioning	📍 <i>Bari, Italy</i>
2012 - 2017	High School Diploma in Computer Science and Telecommunications <i>ITT Panetti Bari</i>	📍 <i>Bari, Italy</i>

Seminars and conferences

2023	31st Symposium on Advanced Database Systems (SEBD) <i>Organized by University of Padua</i> Presented "A Hybrid Quantum-Classical framework for binary classification in online learning" (Corrado Loglisci, Ivan Diliso, Donato Malerba)	📍 <i>Galzignano Terme, Italy</i>
2023	DeepLearn School Spring 2023, Student Volunteer <i>Organized by University of Bari Aldo Moro</i>	📍 <i>Bari, Italy</i>

Extracurricular Activities

2018 - 2019	Member of an association for computer knowledge divulgation <i>URL Rete Libera</i> Participation in the foundation, collaboration in the management of development teams and developer for the university courses helper bot	📍 <i>Bari, Italy</i>
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2016	Tutoring role in a Microsoft national project <i>Microsoft "Nuvola Rosa", Politecnico di Bari</i> Tutor for a group of 5 people with the goal of learning how to develop a web application	📍 <i>Bari, Italy</i>
2014	ECDL CAD Certificate – Specialized Level	📍 <i>Bari, Italy</i>

Projects

Data Science	<p>Participation in several team project where I gained the role of team leader and project designer. Developed several applications in the field of Artificial Intelligence and Machine Learning in collaboration with the University of Bari:</p> <ul style="list-style-type: none"> • Quantum clustering for incremental quantum machine learning data filtering • Asteroid clustering using Gaussian Mixture of Experts • Time series basket analysis and clustering for world debt data • Nasal cell detection using YOLOv5 models • Recipe analysis using SpaCy with PostGre integration • Multi model ensemble for image captioning • Webserver middleware for VR Blockchain integration (React + Flask) • Image similarity and rank analysis using PCA and the EigenFace model
Computer Science	<p>Project developed for the purpose of exams during my bachelor degree.</p> <ul style="list-style-type: none"> • Regression tree implementation from scratch • Spring webserver for Quality Treshold clustering
Personal	<p>Personal projects, developed during my free time or as an extension of what I studied during my university courses.</p> <ul style="list-style-type: none"> • Markov chain model for simple text generation • Python TK interface for A star algorithm visualization • Android application for raspberry remote shutdown • Huffman tree compression stream library in Java • OpenGL 3D graphic engine from scratch • Cosine similarity search on Pathfinder GDR magic items

Development Skills

Softwares	<p>OS: Windows, Linux (Debian and Arch Based), MacOS Database: MariaDB, Oracle, MySQL, PostgreSQL, MongoDB Office: L^AT_EX, Microsoft Office, Libreoffice Other: Photoshop</p>
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Programming	Python, R, Java, C, C++ HTML, CSS, Javascript, Typescript
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Libraries	Data Science: PyTorch, Tensorflow, ScikitLearn, Pandas, OpenCV Web: React, SpringBoot Graphics: OpenGL, QT
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Personal Interests

Sport	Gym workout, running
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Free time	Puzzle games, chess, tabletop role playing games, character optimization for games, custom data science projects for my games and interests
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Other	Traveling, cinema
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