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| |  |  |  | | --- | --- | --- | |  | | | | **Andrea Pazzaglia**  Manager  Data Science & AI | | | |  | | | | Contact | | | |  | | | | A picture containing metalware, ax, gear  Description automatically generated | (+39) 333 9939556 | | | Icon  Description automatically generated | andrea.pazzaglia91  @gmail.com | | | Icon  Description automatically generated | Milano, Italia | | | Icon  Description automatically generated | linkedin.com/in/andrea-pazzaglia-ph-d-521946158 | | |  | https://github.com/AndPazzaglia | | |  | | | | Education | | | |  | | | | 2020 | |  | | **PhD cum Laude,**  *Energy and Nuclear Science and Technology*  – Politecnico di Milano | | | | 2016 | |  | | **Master’s Degree 110L/110,**  *Nuclear Engineering*  – Politecnico di Milano | | | | Key Skills   * Team Leader * Data Science * Machine Learning * Math Modeling Development * Artificial Intelligence | | | |  | | | | Languages | | | |  | | | | Italian - Mother tongue  English - C1  Disclaimer  The CV was fine tuned for the specific job description with generative AI, based on actual candidate experience and minimal human supervision. Link to code. | | | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | | | | | | Profile | | | | | |  | | | | | | Highly skilled and experienced Team Leader specializing in data science, machine learning, math modeling development, and artificial intelligence. Proven track record in leading teams and delivering innovative solutions. Strong expertise in developing proprietary products and solutions for cutting-edge organizations. | | | | | |  | | | | | | Professional Experience   |  |  |  | | --- | --- | --- | | Sept 2023 – Present |  | Milano |   **Manager in Data Science & AI** atPwC (selected projects)   * Led the development of a custom ChatBot for a renowned newspaper, leveraging Large Language Models (OpenAI, HuggingFace). * Implemented probabilistic recurrent neural networks for anomaly detection in the telecommunication industry. * Spearheaded HR advanced analytics for an Energy & Utilities society, utilizing large language models to classify misused contracts. | | | | | | Dec 2020 – Aug 2023 |  | | Milano | | |  | | | | | | **Data Science Senior Associate** atPwC (selected projects)   * Developed self-supervised pattern extraction techniques using multi-modal multi-task variational autoencoders for a trading platform. * Defined data science guidelines (coding, MLOps, governance) for the Energy & Utilities industry. * Led long-term budget forecasting and industrialization on the Google Cloud Platform for the Telco industry. | | | | | | Oct 2016 – Nov 2020 | |  | | Milano | |  | | | | | | **Research Fellow** at Politecnico di Milano (selected projects)   * Conducted in-depth numerical simulations and theoretical modeling to study laser-plasma interaction. * Published research findings in peer-reviewed international journals and presented results at international conferences. * Collaborated with international facilities to carry out experiments on laser-plasma acceleration. | | | | | |  | | | | |   Certifications and Publications   * AWS Certified Machine Learning (2022) [link](https://www.credly.com/badges/49d17f35-8d01-4299-b429-53c8e02f98e6/linked_in?t=rn1qxf) * Professional Data Scientist DataCamp (2021) [link](https://www.datacamp.com/certificate/DS0014738212720) * AWS Certified Developer Associate (2021) [link](https://www.credly.com/badges/d68ea8aa-d0c0-40cc-8966-16c05cb75b62/linked_in) * Pazzaglia A. et al. “A theoretical model of laser-driven ion acceleration from near-critical double-layer targets” Communications Physics (2020) [link](https://www.nature.com/articles/s42005-020-00400-7) * See other publications on LinkedIn profile |