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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 | | |  | | | | 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 | | | |  | | | | End-to-End AI System Development  Machine Learning | | | | Artificial Intelligence | | | | Cloud Computing  Story telling | | | | Languages | | | |  | | | | Italian - Mother tongue  English - C1 | | | |  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | | | | | | Profile | | | | | |  | | | | | | PhD in engineering, experienced with the theoretical, numerical and statistical modelling in several fields. Well-versed in various programming languages (including Python, C++, Matlab, Labview), softwares (including Excel, Word, PowerPoint, Latex), and operating systems (Windows and Linux). Used to handle end-to-end technical projects and to manage junior resources. | | | | | |  | | | | | | Professional Experience   |  |  |  | | --- | --- | --- | | Sept 2023 – Present |  | Milano |   **Manager in Data Science & AI** atPwC (selected projects)   * Custom Generative AI tools development (e.g. chatbot), based on Large Language Models (OpenAI), for a famous newspaper. * HR advanced analytics for Energy & Utilities company: classification of misused contracts using Large Language Model (BERT, HuggingFace). | | | | | | Dec 2020 – Aug 2023 |  | | Milano | | |  | | | | | | **Data Science Senior Associate** atPwC (selected projects)   * Self-supervised pattern extraction from customers of a trading platform, through multi-modal multi-task variational autoencoders. * Data Science guidelines definition (coding, MLOps, governance) for Energy & Utilities industry. * Long-term budget forecasting and industrialization on cloud (Google Cloud Platform) for Telco industry. | | | | | | Oct 2016 – Nov 2020 | |  | | Milano | |  | | | | | | **Research Fellow** at Politecnico di Milano (selected projects)   * Study of the laser-plasma interaction with numerical simulations and theoretical models. * Carry out experiments of laser-plasma acceleration in collaboration with international facilities. * Writing publications in peer-review international journals and presenting results in international conferences. | | | | | |  | | | | |   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 |