Mancini Nicola Francesco

Bologna, Italy | nicomancini99@gmail.com | LinkedIn | Portfolio | (+39) 3468575805 (Mobile)

SUMMARY

Passionate **Electronic Engineering student** with a focus on **IoT, Machine Learning, AI,** and **Data Analysis.** Proven track record of designing and implementing advanced **Machine Learning algorithms** to solve complex real-world challenges**,** as showcased in the published **IEEE project.** Committed to continuous innovation, research, and development for **ML advancements**.

EDUCATION

Alma Mater Studiorum - University of Bologna   Bologna, Italy

*Master of Science in **Electronic Engineering** |*

*Focus in **Electronics for Intelligent Systems, Big-Data,** and **Internet of Things** |*   *Current*
- *Relevant Coursework:* **IoT, Deep Learning, Optimization and Machine Learning**, Intelligent Sensor Systems.
- *Relevant Projects:* Developed a **CNN for Vibration Anomaly Detection**, achieving **data compression over 125x** and **classification accuracy above 90%**, as documented in the IEEE publication. Realized an **IoT Full Noise Monitoring System with predictive capabilities**, **NLP Sentence Reconstruction** using **deep learning techniques,** enhancing data interpretability.

UNISANNIO - University of Sannio   Benevento, Italy

*Bachelor's Degree in **Electronic Engineering** for **Automation** and Telecommunications |*   *Sep 2018 - Dec 2021*

PROFESSIONAL DEVELOPMENT

- Regularly attend industry webinars and workshops on **Data Science**, **IoT**, and **Machine Learning** advancements.

WORK EXPERIENCE

Nuove Architetture Case in Legno srl   San Giorgio del Sannio (BN), Italy

*Google Ads Specialist, **SEO Strategist and Data Analyst**, Website Manager*   *Jan 2019 - Current*
- *Achievements:* Ensured **website security**. Managed and enhanced **Google AdWords campaigns** efficacy**, increasing conversions by 20%.** Applied **Google Analytics** and **Data Visualization tools** for in-depth marketing analysis, **reducing bounce rates by 15%** and **raising session times by 10%.** Analyzed data patterns to **optimize SEO**, using **data-driven strategies**, and **increased organic search ranking by 35%.**

Occasional Freelancer   San Giorgio del Sannio (BN), Italy

AR Creator   *Sep 2018 - Current*
- ***Brands Collaborations****: Loma Vista Recordings (for the Artists: Soccer Mommy, DJDS)
- *Relevant Projects:* Most liked **IG Filter** at the Warner contest "IG Filter for Dua Lipa's song Hallucinate",

Centro Regionale Information Communication Technology - CeRICT scrl   Benevento, Italy

Electronic Engineering Intern   *Oct 2021 - Dec 2021*
- *Achievements:* Designed a temperature sensor using Bragg grating with FDM 3D-printed plastics. Worked on the periodic monitoring of infrastructures to detect anomalies by **Analyzing Data** from sensors.
- ***Projects:*** Design and construction of a temperature sensor, integrating Bragg lattice (FBG) in plastic materials through FDM 3D printing, with increased sensitivity

SKILLS & INTERESTS

Technical: **Python, Machine Learning, Data visualization**, Arduino, MatLab, C++, **SEO**, WordPress.

Soft: **Collaborative Team Player, Strong Analytical Thinker, Data-Driven Decision Maker, Independent Worker, Effective Communicator**

Languages: Italian (Native), *English* (Full Professional), *French* (Elementary)

Interests: **AI, AR, IoT**, 3D Printing, Robotics, Reading, VideoGames, Anime, Arts & Culture.