MICHAEL ALIBEAJ

M.Sc. Student of Computer Science

📞 (+39) 3445174379   @ malibeaj01@outlook.com   🔗 **Personal Website**   🔗 **Linkedin**   📍 Milan, Italy

SUMMARY

M.Sc. student in Big Data and AI, focused on data analysis and intelligent systems. Awarded multiple scholarships and top placements in technical competitions. Enthusiastic about applying data science and machine learning methods to real-world problems, improving decision-making and user outcomes.

EDUCATION

M.Sc. in Computer Science: Big Data and Data Science

Polytechnic of Milan

📅 Present   📍 Milan, Italy
- Focus on AI, Big Data and Data Science
- Awarded Full Academic Scholarship
- Relevant coursework: Data Mining, Business Informative Systems, Deep Learning and Performance Evaluation & Applications

B.Sc. in Computer Science

Polytechnic of Milan

📅 2020 - 2024   📍 Milan, Italy
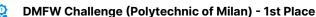- Awarded Full Academic Scholarship

Scientific High School

Liceo Scientifico Leonardo da Vinci

📅 2015 - 2020   📍 Villafranca in Lunigiana, Italy
- Elected Class Representative (2016–2020)

KEY ACHIEVEMENTS

🏅 DMFW Challenge (Polytechnic of Milan) - 1st Place

Awarded 1st place in the Data Management for the Web challenge organized by the Polytechnic of Milan, competing with 100+ participants.
Delivered an AI agent that automated call management and scheduling for real estate agencies, improving realtor efficiency.

🏅 AN2DL Challenges - 2nd Place

Awarded 2nd place in the Artificial Neural Network & Deep Learning challenge organized by the Polytechnic of Milan, competing with 800+ participants.

🏆 Italian Mathematical Olympiad – Regional Qualifier

Ranked among the top 10% of 500+ participants in the Italian Mathematical Olympiad – Regional Round.

TECHNICAL SKILLS

Programming

C   Python   Java

Analytics & Visualization

SQL   PowerBI

LANGUAGES

Italian	Native	**Albanian**	Native
English	Proficient	**French**	Intermediate

INTERESTS

🚗 **Car Enthusiast**   ⚽ **Football Goalkeeper**

REFERENCES

Donatella Sciuto - Full Professor & Rector @ PoliMi

Recommendation Letter

RELEVANT EXPERIENCE

Staples - Polytechnic of Milan

📅 09/2025 - Present

🔗 https://www.som.polimi.it/en/staples-strengthening-resilience-of-cereal-value-chains/

- Developing a **data-driven analytics platform** leveraging agricultural and economic data to support supply chain and trade decision-making in six MENA countries.
- Designing **ETL pipelines** for public datasets such as FAOSTAT and UN Data.
- Developing **KPIs and dashboards** on crop storage, pricing trends, and risk prediction to support stakeholders.

BIS1 - Amazon Prime Video Analysis

Python: NumPy, Pandas, Matplotlib

📅 05/2025

🔗 https://github.com/MikeTech01/BIS1-homework

- Built an end-to-end **BI workflow** analyzing 9,600+ Prime Video titles.
- Modeled data into relational structures to enable KPI tracking and aggregation.
- Defined and visualized key business metrics.
- Delivered **data-driven insights** on Amazon's content strategy and market expansion, aligned with BI principles.

Retrieval-Augmented Q&A Platform

Python: NumPy, Pandas, Matplotlib, PyTorch

📅 05/2025

🔗 https://github.com/MikeTech01/NLP

- Led a team of 5 to build an **end-to-end RAG pipeline** combining retrieval with large language models for question answering.
- Processed **50,000+ unstructured documents**, improving search relevance by 28%.
- Built data preprocessing pipelines including tokenization, chunking, and embedding storage.
- Reduced system latency and enabled scalable deployment via a modular architecture.

Deep Learning for Vision

Python: NumPy, Keras, TensorFlow, Pandas, Scikit-learn, Matplotlib

📅 11/2024

🔗 https://github.com/MikeTech01/AN2DL

- **Achieved 1st place** among 800+ participants in the competition leaderboard.
- Implemented and evaluated deep learning models for image classification and semantic segmentation.
- **Developed a data pipeline** that inspected, cleaned, and transformed the dataset, addressing outliers, limited samples, and class imbalance to ensure data quality for the model training.

Performance Evaluation and Applications

Python: NumPy, Matplotlib, SciPy

📅 09/2024

🔗 https://github.com/MikeTech01/Performance-Evaluations-and-Applications

- Implemented performance-modelling techniques including workload analysis, queueing models, stochastic simulations, and data fitting.