

CANDY MELLANIA SEVERIN

Lublin, Poland | severincandymellania@gmail.com | +48 517 072 256 | [LinkedIn](#) | [GitHub](#)

EDUCATION

MSc Business Analytics and Data Science

October 2025 - September 2027 (expected)

Maria Curie-Skłodowska University (UMCS)

Lublin, Poland

- **Thesis:** Quantitative modelling of agricultural yields in Tanzania; compared linear regression, decision trees, and random forest across 35 years of multi-source geospatial data. Random forest outperformed baseline by a significant margin; work under review for publication.
- **Erasmus+ Exchange:** Johannes Kepler University (JKU) Linz, Austria, Winter Semester 2026/27. Competitive EU mobility grant awarded for academic merit.

BSc Information and Computational Actuarial Science

September 2019 - May 2023

Zhejiang University of Science and Technology

Hangzhou, China

- Core curriculum: probability theory, statistical inference, mathematical modelling, linear algebra, data structures, algorithms, and database systems.

PROJECTS

Agricultural Yield Prediction Pipeline | Python, scikit-learn, pandas, NumPy, R

2025 - 2026

- Designed and implemented a **supervised ML modelling framework** comparing linear regression, decision trees, and random forest to predict maize, rice, and cassava yields across Tanzania; 35 years of geospatial data (FAO, NASA EarthData, NBS), automated preprocessing, cross-validation, and hyperparameter tuning.

EU Socioeconomic Clustering and GDP Regression | Python, scikit-learn, Plotly, World Bank API

2026

- Applied **K-Means clustering and linear regression** across 27 EU countries using live World Bank API data; clusters mapped onto GDP tiers with clear separation between high-income Western economies and lower-income Eastern clusters, validated against regression residuals. End-to-end pipeline, code on GitHub.

EXPERIENCE

Operations Officer

August 2023 - September 2025

Gama Technologies Ltd

Dar es Salaam, Tanzania

- Built Python pipelines applying **statistical validation and quantitative KPI modelling** across Microsoft Dynamics 365 ERP data; reduced a recurring manual reporting cycle from days to minutes for four business units.
- Designed reusable data consolidation scripts turning multi-source raw inputs into structured executive dashboards; outputs went directly into management decision-making with no further manual processing.

SKILLS

Quantitative: Probability theory, statistical inference, linear algebra, regression analysis, supervised ML, K-Means clustering, cross-validation, hyperparameter tuning, feature engineering

Programming: Python, R, SQL, JavaScript, HTML/CSS; object-oriented programming (OOP)

Libraries and Tools: scikit-learn, pandas, NumPy, Plotly, Git, Google Colab, Tableau, Linux/Unix, AWS (foundational)

Human Languages: English (C1), French (B1), German (A1), Polish (basic)

VOLUNTEERING

Broadcast Volunteer, SWAP Team

June 2026

Perspektywy Women in Tech Summit

Warsaw, Poland

- Coordinated live broadcast operations across all summit stages; monitored feeds, flagged technical issues in real time, and liaised between stage teams and streaming crew over a 2-day event.

AWARDS AND CERTIFICATIONS

Erasmus+ KA131 Scholarship: Competitive EU mobility grant awarded for academic merit; placement at JKU Linz, Austria (Winter 2026/27).

FMVA Certification: Financial Modeling and Valuation Analyst, Corporate Finance Institute and ALX, November 2022. Covers financial statement modelling, DCF valuation, and scenario analysis.