Nyiutya Cephas INE

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Profile

Analytically driven MSc Computational Mathematics student transitioning into data analysis and data science roles. Strong foundation in statistics, modeling, and programming, with hands-on experience using Python, R, and MATLAB for data analysis and simulation. Skilled in turning complex data into clear insights, with strong communication and documentation abilities.

Education

MSc Computational Mathematics   Oct 2025 – Present
University of Silesia, Katowice, Poland

MSc Mathematical Engineering   Sep 2024 – Jul 2025
University of L'Aquila, Italy

B.Sc. Mathematics (First Class Honors)   Oct 2015 – Sep 2018
Federal University Wukari, Nigeria

Technical Skills

Programming & Tools

- Python (pandas, NumPy, basic matplotlib, seaborn, scikit-learn, data analysis, basic machine learning models)
- SQL (SELECT queries, joins, filtering, aggregations, advanced querying in progress: complex joins, subqueries, aggregations, window functions)
- R (data analysis, visualization)
- MATLAB (numerical computing, simulations)
- Basic C++
- Microsoft Excel, Word, PowerPoint

Data & Analytics

- Data cleaning and preprocessing
- Exploratory data analysis (EDA)
- Statistical analysis
- Basic machine learning concepts
- Reporting and data visualization

Certifications & Courses

- Data Analysis with Python — University of Pennsylvania
- Introduction to Programming with Python — University of Pennsylvania
- R Programming for Data Analysis — IBM (Coursera)
- Introduction to Programming with MATLAB — Vanderbilt University
- Matrix Algebra for Engineers — Hong Kong University of Science and Technology

Awards & Distinctions

- Silver Medalist — National Mathematics Competition (NAMCCES), 2012
- Bronze Medalist — National Mathematics Competition (NAMCCES), 2011
- Chancellor's Award — Best Overall Graduating Student, Federal University Wukari
- Dean's Award — Best Graduating Student, Faculty of Pure and Applied Sciences

Publication

Adu, A., Ine, N. C., & Ahmadu, J. C. (2023). *Three-Step Three off Grid Points for Solving Volterra Integral Equation of the Second Kind.* AJPAM.

Languages

English (C2)   —   Tiv (Native)   —   Hausa (Basic)