

RODAS BERHANE OKUBAGABIR

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PROFILE

Applied Mathematics graduate with a minor of Computer Science, passionate about data analytics and business intelligence. Experienced in operational analytics and Python programming. Driven to leverage data-driven decision making in analytics and technology.

EDUCATION

BSC. APPLIED MATHEMATICS (Grade: 1.1)

September 2016 - July 2020

Eritrea Institute of Technology, Asmara, Eritrea

- Project: Proficient in data driven problem solving, numerical modeling, and programming bridging applied mathematics and computer science with practical experience applying computational methods to real world problems.
- Key Modules: Data Structures and Algorithms, Object Oriented Programming, Database Concepts, Discrete Mathematics and Graph Theory, Linear Programming, Numerical Methods, Mathematical Statistics, Probability and Statistics (Basic Statistics and Probability), Differential Equations, Linear Algebra II, Optimisation/Mathematical Methods

ACCOUNTING AND FINANCE IN BUSINESS AND MANAGEMENT (Grade: 3.5)

January 2021 - December 2022

CAMBRIDGE INTERNATIONAL COLLEGE, Jersey, Britain, United Kingdom

- Project: Strong foundation in accounting and finance with hands on experience analyzing financial data to support strategic business decisions. Skilled in translating numbers into clear insights that drive performance and financial efficiency.
- Key Modules: Accounting and Finance in Business

MSc. Business Analytics (Grade: Candidate)

September 2025 - Present

UCD Michael Smurfit Graduate Business School, Dublin, Ireland

- Project: gained practical experience in Excel, Python, R, SQL and Mosel for data analysis and modeling. Used Tableau and Power BI to visualize insights and support business decision making.
- Key Modules: Programming Analytics, Statistical Methods, Introduction to Business Analytics, Optimisation in Business, Managing Data and AI, Business Decision Support Systems, Hot topics in AI, Technology and Consulting, Decision and Behavioral Analytics

CAREER EXPERIENCE

INSTRUCTOR, DATABASE AND RECORDS MANAGER, Eritrean Airforce, Asmara, Eritrea

October 2020 - February 2023

- Instructed Python and Preliminary Pre Calculus Mathematics
- Worked as a Database Manager and Data analyst
- Executed rotational assignments across departments

DATABASE MANAGEMENT SYSTEM DESIGNER AND DEVELOPER, Freelance/Self-employed, Asmara, Eritrea

January 2021 - February 2023

helping businesses manage and optimise their data through customized database solutions/designs and efficient data workflows and improve operational efficiency.

- Built Database Management systems for car rental businesses
- Advised on database management solutions
- Tutored (Scratch Programming for kids)

Customer Service Agent, Betna Ruftana Remittance Services, Kampala, Uganda

July 2023 - January 2025

Committed to seamless digital payment solutions and exceptional customer support across borders and facilitating customer remittance services remotely for a Scandinavian company.

- Provided real-time customer support guiding clients through payment and service processes.
- Ensured efficient resolution of inquiries while maintaining a positive customer experience.

KEY SKILLS

- **IT Skills:** Programming (R, Python, Java), Databases & Data Management (SQL, DuckDB, DBMS), Data Visualization & Analytics (Tableau, Power BI, SPSS, Orange), Web Development (CSS, HTML), Tools & Version Control (GitHub), Hardware & Embedded Systems (Arduino), Microsoft Office Suite (MS Excel, Word, PowerPoint)
- **Certificates:** Business Intelligence Data Analyst - Codecademy, R - Codecademy, Python3 - Codecademy
- **Languages:** English, French (Level A2)

OTHER INFORMATION

- **Awards:** UCD Scholarship Award
- **Volunteering:** Volunteered to help prepare in the 14th Commencement of Eritrean Institute Of Technology graduation magazine book in teams, Volunteered to help organize annual events, assisted with planning and coordination for events held at EIT every year(Eritrean Institute Of Technology)
- **Interests:** Professional development, Books(personal development), Continuous learning, working in collaborative environments