








Emmanuel Dushimirimana



Personal details

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-  Rwandan
-  [HTTPS://github.com/emmydush](https://github.com/emmydush)

Skills

- Data Analysis & Visualization
- Data Cleansing & Organization
- Programming (Python, React, Django, JavaScript HTML SCC)
- Power BI & Excel Reporting
- Full-Stack Software Development
- Networking & Configuration
- Predictive Modeling
- Client Relationship Management
- Effective Communication
- Team Collaboration
- Conflict Resolution

Profile

Dynamic data analyst with a strong foundation in fintech, banking, and software engineering skilled at merging data science techniques with business intelligence to drive strategic decision-making. Experienced in leveraging advanced analytical tools and building software solutions that optimize financial operations, enhance customer experience, and strengthen risk management. Proven track record of delivering measurable performance improvements and supporting innovation within fast-paced digital finance environments.

Education

- Business Information Technology | Bachelor's Degree** Jan 2022 - Aug 2025
[University of Rwanda, Huye Campus, Rwanda](#)
 - Focus Areas: Data Science, Information Technology, Business
- Mathematics, Economics, and Computer Science | Diploma** Jan 2017 - Jan 2021
[Group Scholar Mutura, Rubavu, Kabari, Rwanda](#)
 - Completed Jan 2021

Employment

- Data Science Analyst** Jan 2023 - Present
[MTN Rwanda, Kigali](#)
 - Analyzed customer and network data to extract actionable insights
 - Performed data cleaning, visualization, and reporting using Excel and Power BI
 - Built predictive models to enhance customer segmentation
 - Integrated various data sources for scalability and accessibility
 - Maintained best practices in data science and analytics
 - Analyzed customer data trends, which identified key opportunities for service improvements, helping to boost customer satisfaction ratings by 15% over six months.
 - Developed predictive models to forecast network usage patterns, which allowed for better resource allocation, ultimately reducing service downtime by 20%.
 - Collaborated with cross-functional teams to create data visualization dashboards that presented insights clearly, making it easier for decision-makers to act on important data trends.
 - Conducted A/B testing on marketing campaigns, which optimized promotional strategies and contributed to a 25% increase in new customer acquisitions during peak seasons.
- Software Developer (Intern)** Jan 2023 - Present
[RDB, Kigali/ Gasabo](#)
Rwanda Development Board (RDB) ICT / Software Development Intern
 - Designed and deployed an **Inventory Management System** using **Django and MySQL** to support RDB's internal digital processes, improving asset tracking and ensuring more accurate and transparent record-keeping within the institution.

Office Software Proficiency

Data Cleaning

Data Visualization

Reporting

Customer Segmentation

Data Integration

Actionable Insights

Inventory Management System

Stock Tracking

System Troubleshooting

IT Solutions

Languages

Kinyarwanda

English

Kiswahili

Hobbies

- Data-Driven Decision Making
- Exploring AI Tools & Emerging Technologies
- Traveling & Cultural Exchange
- Reading Technology & Business Books

- Contributed to RDB's digital transformation efforts by enhancing an internal mobile application, developing a new feature that boosted user engagement by **25%**, helping the team improve accessibility of e-government services.
- Worked with senior software engineers to troubleshoot and resolve system bugs, strengthening the reliability of digital tools used across different RDB departments.
- Participated in cross-departmental meetings to align development tasks with RDB's broader mission of improving service delivery, ensuring solutions met organizational needs and standards.
- Created clear user documentation for newly introduced digital features, enabling staff and stakeholders to adopt the tools more effectively and reducing support requests by **15%**.

Software Developer & Network Technician
University of Rwanda

Jan 2022 - Jan 2023

- Developed a Student Hostels Management System using PHP and MySQL
- Supported network configuration and system troubleshooting
- Contributed to designing IT solutions for campus administration
- Developed and implemented a campus-wide network upgrade, which improved internet speeds by 50%, helping students and faculty access online resources more efficiently.
- Created custom software solutions for different departments, which streamlined their processes and saved an average of 25 hours per month in administrative tasks.
- Troubleshoot and resolved network issues promptly, which minimized downtime to less than 2% during the academic year, ensuring that all users had reliable access to necessary services.
- Collaborated with faculty to design and deploy educational tools, which enhanced the learning experience for over 1,000 students, making technology a key part of the curriculum.

Courses

Power BI Certified

ALX Certified

Career Employability – Talent Match Inc.

Communication Skills, Digital & Electronic Tools

References

Mpinganzima Joly
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