

# CV of Blaise NINDENKIMANA

📞 +250783530924 / +221787028367 ✉ nindenkimanablaskus@gmail.com ✉ blaise.nindenkimana@aims-senegal.org

📍 Km2 route de Joal (Centre IBRD) BP : 1418 Mbour-Thies, Senegal    **in** blaise nindenkimana    **github** blaise98-dev


## Personal Profile

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I am currently pursuing a master's degree in Mathematical Sciences COOP BigData, with a passion for advancing the future of technology and its impact on industries. My focus is on using cutting-edge machine learning and artificial intelligence techniques to solve complex challenges, particularly in predictive modeling, automation, and deep learning and Generative AI applications. Alongside my technical expertise, I am committed to developing strong leadership skills, effective communication, and collaborative problem-solving. I am eager to take on leadership roles where I can guide teams in innovative projects, influence AI powered systems, data-driven decisions, and contribute to the evolving landscape of AI and data science.

## Education

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- Msc African Institute of Mathematical Science(AIMS-Senegal)**, Data Science Oct. 2023 - Present
- **Coursework:** Probability and Statistics, Linear Algebra, Python, R, Data Mining, Big Data Analytics, Machine Learning algorithms and Optimizations, deep learning, NLP, Computer Forensics and Ethical Hacking.
- Bsc University of Rwanda**, Computer Science Sept. 2018 - Nov 2023
- Grade: Second class upper ([Transcript](#) )
  - **Coursework:** Computer Architecture, Data Structures and Algorithms, Database Management, Software Engineering, Computer Networks, Artificial Intelligence, Web Development, Cryptography and network Security, Graphics, Mobile App Development.

## Experience

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- AI4SENSE/Sensor6ty**, Data scientist intern Paris, France  
June, 2024 – Dec 2024
- Implementing solutions in sports video analysis through the application of machine learning, deep learning, NLP and computer vision techniques. I work with Azure for cloud-based solutions, develop insightful data stories and dashboards using Power BI, and conduct data analysis. My role also involve automation, ETL processes, and data modeling. Leveraging generative AI, natural language processing (NLP), and large language models to enhance various tasks within the projects.
- SANTECH Ltd**, Software Development, Networking Trainer Kigali, Rwanda  
March, 2022 – Oct 2023
- Conducted training and mentorship of 300 interns, guiding them in programming languages (C, C++, JAVA, JavaScript, Python, PHP and SQL), Software Engineering and methodologies, Network design, Routing and administration, collaborating on program enhancements, providing technical support, troubleshooting assistance, organizing workshops, project pitches, and communication with stakeholders.
- Ethical Research Solutions Ltd**, Data Analyst Intern Kigali, Rwanda  
June, 2021 - Feb, 2022
- My main responsibilities included collecting, preprocessing and analyzing data, using statistical techniques and machine learning algorithms to find useful insights for data-driven decision-making. Working with different data teams to understand and create project needs, methods, visual representations, which facilitated data-driven decisions.
- Adaptive Engineering Group**, IT Engineer Rusizi, Rwanda  
March, 2020 - Oct, 2020
- As an IT Engineer, I ensured smooth operations by installing and configuring hardware, managing security, and providing user support, and system upgrades.

## Volunteering

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- Participating and contributing to giveback and charity activities, including making donations to prisons, hospitals, and orphanages, teaching in schools, cleaning local surroundings, and engaging in roundtable discussions on key global issues. AIMS-Senegal, Senegal  
Oct,2023 - Present
- Mentored 150 students in computer science courses at G.S Mushaka. Rusizi, Rwanda  
July,2018 - July,2023
- Trained 120 students in the SCOUTS movement, preparing novices for promises. Rusizi, Rwanda  
Jan,2015 - Oct,2017

## Research and Projects

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### Master Thesis

June, 2024

- Modelling and Disease Prediction from Different Symptoms Using Machine Learning.

### AI4SENSE/Sensor6ty

June, 2024. Dec,2024

- Build, deploy and monitor custom Deep Learning models for pattern and meta-data extraction in sport videos.

### Hafiyacu

Jan, 2024. October,2024

- Hafiyacu is an e-commerce platform designed to provide a seamless online shopping experience, catering to a wide range of products and services. The system operates as both a web and mobile platform.
- As the project coordinator, my role involved coordinating between the project owner, developers, and third parties, ensuring that all stakeholders were aligned and satisfied with the final product. [Link](#)

### AskField

Jan, 2023. October,2023

- Collaborated to develop a data collection software platform for surveying and analyzing collected data. [Link](#)

### Christian Activities Tracking System

Sep,2022 to Jan,2023

- Developed a comprehensive system for managing Christian activities, donations, and services. [GitHub](#)

### Digital Helpdesk for International Students

June to sep,2022

- System which Aids international students in the application process, bookings, ticketing, and visa applications. [GitHub](#)

## Training & Certificates

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- **MICROSOFT:** Azure AI, Power platform and Office 365.
- **Udemy:** Generative AI Mastery with 15 + Projects.
- **CISCO:**IT Essentials, Introduction to Cybersecurity.
- **SIMPLILEARN:**Data Science, Ethical Hacking.
- **COURSERA:** Managing Network Security Fundamentals.
- **Others:** Rwandan Driving License Category B, Cybersecurity Workshop organized by BICT.

## Skills & Technologies

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**Technical Skills:** Advanced data pre-processing, Data mining, Statistical modeling, Data Visualization and interpretation, Programming, Statistics, Machine learning, Web development, Networking, System security, Installation and configuration of computer hardware& software, Troubleshooting, Research.

**Soft Skills:** Communication, Interpersonal Skills, Decision Making, Leadership, Teamwork, Problem solving and Community management.

**Project Management:** Microsoft office 365,SDLC, Agile, GanttChart, Collaboration tools

**Tools and IDEs:** Autopsy, Visual Studio, Wireshark, Netbeans, IntelliJ, NMAP, Packettracer, etc.

## Spoken Languages

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- Kinyarwanda: Native
- English: C2
- French: A2
- Swahili: A1

## Interest & Hobbies

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Data Science, Technological trends, Software Development, Networking, System Administration, Ethical Data Usage, Technical support, Car Driving, Sport, Talking about football, Reading books, Listening Music.

## References

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Available upon request