

Christian Hirwa

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Education

BS	Adventist University of Central Africa , Software Engineering	Present
HS	Groupe Scolaire Saint Joseph Kabgayi , High School Diploma • Combination: Mathematics, Physics, and Chemistry	2021

Skills

Programming Languages: C#, Java, Python, Big Data Tools

Technologies: Web Development, Big Data Analytics, Ethical Hacking

Tools & Platforms: Microsoft Visual Studio, Hadoop, Cisco IOS, Cybersecurity Tools

Certifications

Networking Essentials , Cisco Networking Academy	Nov 2023
NetOps , Internet Society Training	Dec 2024

Projects

Dental Clinic Management System	2025
<ul style="list-style-type: none">Designed comprehensive software to manage patient information, appointments, treatment records, billing, staff schedules, and inventory for dental clinicsImplemented key features including patient registration, appointment booking, billing system, treatment history tracking, and detailed reporting capabilitiesEnhanced clinic efficiency by reducing paperwork, improving service delivery, and streamlining operationsEnsured data security and improved communication among staff members while enhancing overall patient experience	
Artist Management System	2024
<ul style="list-style-type: none">Designed and implemented a Java-based web application for managing artist events and bookingsDeveloped real-time update functionality and created an intuitive user interfaceStreamlined event coordination and booking processes for entertainment industry professionals	
Big Data Analytics on Breast Concern Detection	2024
<ul style="list-style-type: none">Developed a comprehensive big data pipeline for analyzing medical datasetsLeveraged advanced analytics tools to enhance detection of breast-related health concernsApplied machine learning techniques to improve diagnostic accuracy and early detection capabilities	
Cybersecurity (Ethical Hacking)	2023
<ul style="list-style-type: none">Conducted comprehensive vulnerability assessments and penetration testingIdentified and documented security risks using ethical hacking tools and methodologies	

- Developed mitigation strategies to enhance system security and protect against potential threats

Disk Monitoring System

2023

- Built and deployed monitoring tools to analyze disk usage patterns
- Optimized storage management solutions for improved system performance
- Implemented automated alerts and reporting for proactive system maintenance

Personal Interests

Hobbies: ⚽ Playing Football, 📖 Reading Books