

DATIUS RWEYEMAMU DAUD

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PERSONAL DETAILS:

NATIONALITY: Tanzanian

DATE OF BIRTH: February 09, 2001

PLACE: Mbeya

GENDER: Male

STATUS: Unmarried

LANGUAGES: Fluently in ***Swahili*** and Good in ***English*** both spoken and written

PROFESSIONAL: Computer Engineer, Back-end Developer.

GitHub: [Dative16 \(Dative\)](https://github.com/Dative16)

LinkedIn: www.linkedin.com/in/datius-daud-69b406307

CAREER OBJECTIVES:

- To keep up ability and capability in organization in which I can completely consume my knowledge and skills by working in different demanding environments with a view of adding significance to the organization and achieve personal livelihood development.
- To hold new ideas, concepts, develop modern skills and to produce solutions to troubles
- To work on my personal initiatives and to reveal the high levels of inspirations required to meet the tightest deadlines under major stress
- To work on ultimately hours in case of impact to variance works of interest to company to accomplish goals.

WORKING EXPERIENCE:

Software Developer & AI Researcher

Freelance / Contract | 2022 – Present

1. TMCS CUoM Community at Mbeya, Tanzania

⌚ tmcs cuo m community.or.tz

- Designed and architected the system for church organization management.
- Developed and optimized the database for efficient data storage and retrieval.
- Implemented the backend using Django and SQL databases.
- Ensured security, performance, and scalability of the web application.

2. TMCS MUST at Mbeya University of Science and Technology

⌚ tmcs must.com

- Led system architecture, database design, and backend development.
- Integrated authentication, user management, and key security features.
- Built a scalable and secure web platform using Django and SQL.

3. Mafoy Africa Safaris Website

⌚ mafoy africa safaris.com

- Collaborated in designing and architecting the tour company's web system.
- Provided technical support during development and deployment.
- Assisted with system structure planning and performance optimization.

4. Network and Technical Installations

4. Location: Nakadania Pharmacy & Shukrani Pharmacy – Mbeya, Tanzania

- Installed and configured local networks and internet connectivity.
- Set up printers, performed system troubleshooting, and provided ongoing technical support.
- Installed and configured surveillance camera systems for security monitoring.

5. Technical Support in Varius Tech

- Developed **YOLOv11-based** deep learning models for Object detection.
- Built a **Flask API** to analyze images and videos from IoT Devices.
- Designed and implemented the **frontend** using HTML, JavaScript, and CSS.
- Created a **patient management system**, integrating a database for patient records.

- Ensured **cross-platform accessibility** by making the API usable in React, Node.js, and other platforms.
- Investigating **Vision Transformers (ViT) vs. EfficientNet and ResNet50 with Attention Mechanisms** for performance comparison.

7. Retina Image Analysis for Disease Prediction

- Preparing dataset collection and model selection for **retina disease detection**.
- Leading research in **deep learning applications** for eye disease analysis.

8. Tanzania Youth Development Program – Tech & AI Training (Ongoing)

- Teaching **AI, programming, and electronic components** to young innovators.
- Guiding students in **building real-world tech solutions** for societal challenges.

9. Cryptocurrency Affiliate Management System (Consultation Phase)

- Gathering business requirements for **blockchain-based affiliate tracking**.

10. Web-Based Learning & Project Showcase Platform (Ongoing)

- Developing a **Django-powered** online learning system with **paid and free courses**.
- Implementing **online payments** for course subscriptions and project purchases.

EDUCATION DETAILS:

Year	Institute/College/School	Field	Award
2022- NOW	Mbeya University of Science and Technology (MUST) - MBEYA	Computer Engineering	
2020 –2022	Musoma Technical Secondary School – Musoma, Mara	Advanced Level Secondary Education	Certificate of Advanced Secondary School Education (CASSE) - Division I
2020-2022	Musoma Technical Secondary School – Musoma, Mara	Certificate of Information Technology	Certificate of Information Technology Grade(A)

2016- 2019	Mwanza Secondary School -Mwanza	Ordinary level Secondary Education	Certificate of Secondary School Education (CSSE) – Division II
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Short Courses & Trainings:

- **Software Development & Machine Learning Training** – *Mbeya University of Science and Technology (MUST), Tanzania*
July – Sept 2024
 - Worked as a **Software Developer** specializing in **Machine Learning** and **Technical Support**.
 - Developed and optimized software applications for **academic and research projects**.
 - Provided technical assistance in **AI model training and deployment**.
- **Software Development & System Design Training** – *Mbeya University of Science and Technology (MUST), Tanzania*
July – Sept 2023
 - Gained experience in **system architecture, web, and mobile application development**.
 - Developed **full-stack applications** using modern frameworks.
 - Worked on **UI/UX design, API development, and database integration**.
- **CCTV-Camera Installation (Theory Session)** – *HikVision & InetVision, Mbeya*
September 2023
 - Learned **CCTV system fundamentals, IP camera networking, and security setup**.
 - ★ Certificate
- **CCTV-Camera Installation (Practical Session)** – *HikVision & InetVision, Mbeya*
January 2024
 - Hands-on experience with **DVR/NVR setup, system troubleshooting, and remote monitoring**.
 - ★ Certificate

SKILLS, KNOWLEDGE AND ABILITIES:

1. Computer Literacy, Microsoft Office Word, Microsoft Office Excel, Internet and E mail, Microsoft Office Power Point, Computer Programming (PYTHON, HTML, CSS, C and C++), Software Development,
2. Teaching,

3. Customer Care,
4. Negotiation,
5. Presentation,
6. Leadership.
7. CCTV Camera Installation

EXTRA CURRICULAR ACTIVITIES:

1. Teaching students (secondary and primary students) especially Basic Mathematics and Physics, and Computer Programming Especially Python and C Languages and data structure.
2. Software, Mobile and Web Development with Python Language
3. Computer maintenance and repair.
4. Network troubleshooting and Installation
5. CCTV camera installation
6. Environmental participation
7. Business issues
8. Agriculture issues etc.

REFEREES:

1. Mr. Frank Ibrahim
Email: frankibrahim25@gmail.com
Call: +255757050205
Position: Lecture At Mbeya University of Science and Technology
2. DR. Beston Lufyagila
Email: bestonl2015@gmail.com
Call: +2557826163341
Postion: Lecture at Mbeya University of Science and Technology

*I, **Datus Rweyemamu Daud** hereby declare that the above written particulars are true to the best of my knowledge and belief.*

Signature _____.

Additional Information

Screen shot of the Semester Exams

BACHELOR OF COMPUTER ENGINEERING - FOUR YEARS - [BCE]
SECOND YEAR :: 2023/2024 - SEMESTER I

Course Code	Course Name	Unit	Grade	Point	Remark	
CS 8235	Digital Systems	7	A	35	PASS	
CS 8236	Communication Systems I	7	A	35	PASS	
CS 8237	Electronic Devices	7	B	21	PASS	
CS 8238	Data Structure and Computer Programming	7	A	35	PASS	
EE 8290	Electrical Fundamentals	6	B+	24	PASS	
HS 8101	Communication Skills	6	B	18	PASS	
ME 8270	Engineering Mechanics	6	B+	24	PASS	
MS 8272	Calculus	6	B	18	PASS	
Semester GPA :			4.0		PASS	

BACHELOR OF COMPUTER ENGINEERING - FOUR YEARS - [BCE]
SECOND YEAR :: 2023/2024 - SEMESTER II

Course Code	Course Name	Unit	Grade	Point	Remark	
CS 8239	Communication Systems II	7	B+	28	PASS	
CS 8240	Analogue Electronics	7	B+	28	PASS	
CS 8241	Computer Networks Management	7	B+	28	PASS	
CS 8242	Microprocessor Technology II	7	A	35	PASS	
CS 8243	Computer System Engineering	7	B+	28	PASS	
CS 8244	Industrial Practical Training (IPT) II	10	A	50	PASS	
EE 8203	Electrical Measurement and Instrumentation.	6	B	18	PASS	
ME 8271	Industrial Management	6	B+	24	PASS	
ME 8272	Mechanics of Machines	6	A	30	PASS	
MS 8128	Advanced Calculus	6	C	12	PASS	
Semester GPA :			4.0		PASS	

YEAR SUMMARY STATUS - 2023/2024

Total Unit :	121
Total Point :	491
Annual GPA :	4.0
Annual Overall :	PASS

BACHELOR OF COMPUTER ENGINEERING - FOUR YEARS - [BCE]
FIRST YEAR :: 2022/2023 - SEMESTER I

Course Code	Course Name	Unit	Grade	Point	Remark
CS 8135	Basic Electronics	7	A	35	PASS
CS 8136	Computer Systems Maintenance and Repair	7	B+	28	PASS
CS 8137	Computer Network I	7	B	21	PASS
CS 8138	Computer Programming and Algorithms	7	A	35	PASS
CS 8139	Microprocessor Technology I	7	B+	28	PASS
CS 8140	Operating System	7	A	35	PASS
EE 8104	Basics of Electrical Engineering	6	B+	24	PASS
ME 8170	Workshop Technology	6	B+	24	PASS
ME 8171	Engineering drawing	6	A	30	PASS
Semester GPA :			4.3		PASS

BACHELOR OF COMPUTER ENGINEERING - FOUR YEARS - [BCE]
FIRST YEAR :: 2022/2023 - SEMESTER II

Course Code	Course Name	Unit	Grade	Point	Remark
CS 8141	Data Communication	5	A	25	PASS
CS 8142	Sequential Circuit	5	B+	20	PASS
CS 8143	Industrial Automation and control	8	A	40	PASS
CS 8144	Software Engineering I	6	B+	24	PASS
CS 8145	Multimedia Application and Production	6	A	30	PASS
CS 8146	Networks Design and Implementation	8	A	40	PASS
CS 8147	System Analysis and Design I	8	A	40	PASS
CS 8148	Web design and Hosting	6	A	30	PASS
CS 8149	Industrial Practical Training I	10	A	50	PASS
Semester GPA :			4.8		PASS

YEAR SUMMARY STATUS - 2022/2023

Total Unit :	122
Total Point :	559
Annual GPA :	4.5
Annual Remark :	PASS

Password will expire on : 02-07-2025

Active Academic Year : 2024/2025 - Semester I

Published Results

BACHELOR OF COMPUTER ENGINEERING - FOUR YEARS - [BCE]
THIRD YEAR :: 2024/2025 - SEMESTER I

Course Code	Course Name	Unit	Grade	Point	Remark
BM 8341	Finance and Human Resource Management	6	B	18	PASS
CS 8335	Electronic Circuits	7	A	35	PASS
CS 8336	Electronic Fabrication	7	B+	28	PASS
CS 8337	Data Base Systems	8	B+	32	PASS
CS 8338	Control System Design I	7	A	35	PASS
CS 8339	Computer System Design	7	B+	28	PASS
CS 8340	Operating Systems	7	B+	28	PASS
MS 8221	Differential Equations	6	B+	24	PASS
Semester GPA :				4.1	PASS