ABDULKARIM MUSSA NATTY 📞 +255 789 290 394

✉ abdulkarimnatty615@gmail.com

🐙 github.com/Captnatty615

Dar-es- Salaam, Temeke, Taveta St.

Date of Birth 19th April 2002.

Objectives

As a committed and proficient junior in computer science, my objective is to contribute to innovative solutions by utilizing my expertise and knowledge. I am dedicated to continuous learning and skill development, enabling me to expand my understanding and remain at the cutting edge of technological progress. My goal is to apply my skills in software development, database management, and problem-solving to develop impactful and efficient solutions.

Education

INSTITUTE OF FINANCE MANAGEMENT (IFM)

Bachelor of Science in Computer Science (BCS) | November 2021 – July 2024

- **Core Computing Concepts**: Acquired foundational knowledge in computer architecture, procedural programming, data structures, algorithms, and mathematical principles applied to computing.

- **System Design and Management**: Specialized in the analysis and design of efficient computer systems, including database design, management, and administration. Gained proficiency in SQL and Oracle databases, explored distributed computing principles, and learned about secure database practices.

- **Software Development**: Applied object-oriented principles using Java, studied software development methodologies, architecture, and design patterns. Developed a mobile application with the Flutter framework and explored web development using HTML, CSS, PHP, Laravel framework, and MySQL.

- **Communication and Management**: Improved verbal and written communication skills, learned system analysis and design, project execution with agile methodologies, and software project management. Studied research methodologies with SPSS for statistical analysis, strategic planning for information systems, and managed technological innovation. Gained practical experience through an industry internship.

- **Security and Networking**: Learned about data transmission and communication protocols, studied computer network architecture and protocols with Cisco Packet Tracer, and explored computer security principles and practices.

SHAABAN ROBERT SECONDARY SCHOOL

Advanced Certificate of Secondary Education | July 2019 – May 2021

Provided a foundational understanding of physics, chemistry, and mathematics, equipping me with analytical skills, problem-solving abilities, and a solid grasp of scientific principles essential for advanced studies and practical applications in various disciplines.

SHAABAN ROBERT SECONDARY SCHOOL

Certificate of Secondary Education | January 2015 – December 2018

provided me with a well-rounded understanding of diverse fields, preparing me for further studies and practical applications across various areas. It laid a solid foundation by emphasizing scientific knowledge, critical thinking, and analytical skills, while also fostering a comprehensive understanding of cultural, historical, and social contexts. These aspects have equipped me with versatile skills applicable to both academic pursuits and professional endeavors.

WORK EXPERIENCE

ASN GROUP PF COMPANIES – SOFTWARE DEVELOPER July 2022 – January 2023
Dar es Salaam, Tanzania

• Developed a comprehensive waste collection system for Kigamboni Municipal Council, enhancing operational efficiency and service delivery.
• Utilized advanced software development techniques and tools to create a user-friendly interface and reliable backend infrastructure.
• Collaborated with municipal staff to understand requirements and ensure the system met all necessary specifications.
• Conducted testing and troubleshooting to ensure the system's robustness and reliability.

• Provided training and support to municipal employees for effective system utilization

PROJECTS

Blood Donation App

- Created a web application to facilitate blood donation and distribution using HTML, CSS, Bootstrap, Sass, JavaScript, PHP, and Laravel.

- Handled both front-end and back-end development, including user authentication, database management, and appointment scheduling.

- [GitHub Repository] (https://github.com/slymackjr/donate-blood)

Extra Workload Claim system

The Extra Workload Allowance Management System is a web-based application developed using React and Laravel, designed to streamline and automate the process of claiming extra workload allowances for lecturers in a university setting.

- [GitHub Repository] (https://github.com/Captnatty615/Extra-Workload-Claim-system)

DEVELOPED ABILITIES

- Strong analytical and problem-solving skills for technical challenges.
- Expertise in systems analysis, design, and implementation.
- Proficiency in both procedural and object-oriented programming.
- Excellent communication and project management skills.
- Experience in database management, web development, and mobile application development.
- Knowledge of operating systems, data structures, algorithms, and computer security.
- Ability to conduct thorough testing, debugging, and optimization.
- Skilled in designing user interfaces and implementing core functionalities.

- Proficient in documentation, report writing, and research.

COMPUTING SKILLS

- Proficient in programming languages such as Java, C++, HTML, CSS, JavaScript, PHP, and Dart.
- Experienced in managing databases with SQL, MySQL, Oracle, and Microsoft SQL Server.
- Knowledgeable in web frameworks like Laravel and front-end libraries such as Bootstrap.
- Familiar with mobile app development using Flutter and skilled in state management with Provider.

LANGUAGES

Proficient in written and spoken English and Kiswahili.

REFERRES

Eng MUSSA BALLY NATTY

URBAN RESILIANCE SPECIALIST

WORLD BANK

mussanatty@yahoo.com

0754279627.

ANNAN NATTY BALLY

COMPUTER TECHNOLOGIST

SOKOINE UNIVERSITY OF AGRICULTURE

annannatty@gmail.com

0755863384

DECLARATION

I, Abdulkarim Natty, declare that the information contained in this CV is correct to the best of my knowledge.

THE INSTITUTE OF FINANCE MANAGEMENT
FACULTY OF COMPUTING AND MATHEMATICS
DEPARTMENT OF COMPUTER SCIENCE
BACHELOR OF COMPUTER SCIENCE
FIRST YEAR - 2021/2022 RESULTS
ACADEMIC PERFORMANCE REPORT

Student Name: Abdulkarim Mussa Natty

Registration Number: IMC/BCS/2120130

Semester 1

S/N	Code	Module	Coursework	Final	Total	Grade	Remarks
1	CSU07101	Problem Solving Techniques	36.6	40.4	77	A	Excellent
2	CSU07102	System Analysis And Design	27.0	40.8	68	B+	Very Good
3	CSU07103	Fundamental Of Computers	29.6	39.0	69	B+	Very Good
4	CSU07104	Advanced Mathematics	35.2	49.8	85	A	Excellent
5	CSU07105	Communication Skill	29.4	28.2	58	B	Good
6	CSU07106	Development Study	17.0	42.0	59	B	Good

Semester 2

S/N	Code	Module	Coursework	Final	Total	Grade	Remarks
1	CSU07207	Procedural Programming	21.8	51.0	73	A	Excellent
2	CSU07208	Databases Systems Management	26.6	39.0	66	B+	Very Good
3	CSU07209	Data Communication	30.0	42.0	72	A	Excellent
4	CSU07210	Operating Systems	33.7	51.0	85	A	Excellent
5	CSU07211	Advanced System Analysis And Design	25.8	44.1	70	A	Excellent
6	CSU07212	Web Technologies And Applications	22.3	50.4	73	A	Excellent

Issued By: Dr. Hussein Bakiri
Head - Department of Computer Science
Signature ....
Date: 24th June, 2024
Official Stamp

Annual GPA
GPA: 4.4
Classification: First Class
Note: The G.P.A is based on 5.0 System

Annual Examination Status
Pass

THE INSTITUTE OF FINANCE MANAGEMENT
FACULTY OF COMPUTING AND MATHEMATICS
DEPARTMENT OF COMPUTER SCIENCE
BACHELOR OF COMPUTER SCIENCE
SECOND YEAR - 2022/2023 RESULTS

ACADEMIC PERFORMANCE REPORT

Student Name: AbdulKarim Mussa Natty   **Registration Number:** IMC/BCS/2120130

Semester 1

S/N	Code	Module	Coursemark	Final	Total	Grade	Remarks
1	CS107314	Database Management Systems	33.2	38.4	72	A	Excellent
2	CS107315	Web Technologies And Internet Programming	21.9	36.0	58	B	Good
3	CS107316	Advanced Operating Systems	28.6	37.8	66	B+	Very Good
4	CS107317	Data Structure And Algorithms	31.6	48.6	80	A	Excellent
5	CS107318	Visual Basic Programming	29.6	38.7	68	B+	Very Good
6	CS107320	Computing Mathematics	32.2	49.2	81	A	Excellent
7	CS107313	Practical Training		54.0	54	B	Good

Semester 2

S/N	Code	Module	Coursemark	Final	Total	Grade	Remarks
1	CS107421	Object Oriented Programming	27.2	48.3	76	A	Excellent
2	CS107422	Computer Networks	25.8	42.6	68	B+	Very Good
3	CS107423	Software Engineering	29.3	39.6	69	B+	Very Good
4	CS107425	Human Computer Interaction	23.4	39.0	62	B+	Very Good
5	CS107426	Computer Systems Security	28.2	42.0	70	A	Excellent
6	CS107427	Discrete Mathematics	31.5	47.4	79	A	Excellent

Annual Examination Status
Pass

Annual GPA
GPA: 4.3
Classification: Upper Second Class
Note: *The G.P.A is based on 5.0 System*

Issued By: Dr. Hussein Bakiri
Head - Department of Computer Science
Signature ....
Date: 24th June, 2024
Official Stamp

The National Examinations Council of Tanzania

Certificate of Secondary Education

This is to certify that   ABDULKARIM MUSSA NATTY

Index No.   S0342-0067

sat for the Certificate of Secondary Education Examination

at   SHAABAN ROBERT SECONDARY SCHOOL

in   NOVEMBER 2018   and qualified for the award of a

CERTIFICATE OF SECONDARY EDUCATION

in Division   TWO

after attaining the following performance:-

Subject	Grade	
CIVICS	C	(PASS)
GEOGRAPHY	C	(PASS)
KISWAHILI	C	(PASS)
ENGLISH LANGUAGE	B	(PASS)
PHYSICS	D	(PASS)
CHEMISTRY	C	(PASS)
BIOLOGY	C	(PASS)
INFORMATION & COMPUTER STUDIES	C	(PASS)
BASIC MATHEMATICS	C	(PASS)

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Chairperson

Executive Secretary

CS18019219

Advanced Certificate of Secondary Education

This is to certify that   ABDULKARIM MUSSA NATTY

Index No.   S0342-0512

sat for the Advanced Certificate of Secondary Education Examination

at   SHAABAN ROBERT SECONDARY SCHOOL

in   MAY   2021   and qualified for the award of an

ADVANCED CERTIFICATE OF SECONDARY EDUCATION

in Division   TWO

after attaining the following performance:-

Subject	Grade
GENERAL STUDIES	F (FAIL)
PHYSICS	D (PASS)
CHEMISTRY	D (PASS)
ADVANCED MATHEMATICS	C (PASS)
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Chairperson

Executive Secretary

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