

Curriculum Vitae

Personal Information

Name: Daniel Ndung'u Macharia

Phone: 0712696965

Email: ndungudanny444@gmail.com

Github: <https://github.com/Daniel-Macharia>

Portfolio: <https://daniel-macharia.github.io>

Occupation: Information Technology student at Masinde Muliro University of Science and Technology.

Summary Statement

A self-motivated, passionate and responsible undergraduate student at Masinde Muliro University of Science and Technology. I love computer programming, networking and exploratory research especially in cyber security and artificial intelligence.

Educational Background

2021 to date: Information Technology student.

Masinde Muliro University of Science and Technology.

2017 – 2021: Kenya Certificate of Secondary Education(KCSE).

Mitahato Secondary School, Githunguri. Achieved a B+ of 67 points.

2007 – 2016: Kenya Certificate of Primary Education (KCPE).

Nyabigege Primary School, Kisii. Marks Scored: 360, Grade: B.

Skills

Mobile Development(Android App Development using java).

Desktop Development using java(javaFX).

Front-end web design using HTML5, CSS3 and Java Script.

Back-end web Development using PHP and Python, Django.

Proficient in C and C++, git and SQL.

Achievements

Created a ticketing system for a christian union event at the institution.

Created several mobile applications including an mp3 player, the tic-tac-toe game and a chat application(using firebase real-time database).

Created one windows desktop application using C++.

Created a windows sockets server using C++ and the winsock.h API.

Created several Desktop applications using Java and the JavaFX API.

Designed and administered a relational database using MySQL DBMS.

Experience

February 2025 to date: Doing our final year school project with my team.

March 2025: Created a ticketing system for the MMUST Christian Union.

October to December 2024: Created a diary web application using Django.

May to July 2024: Industrial attachment at KEMRI CGHR.

May to July 2024: Created my portfolio website.

May to July 2024: Created a desktop application for KEMRI. For managing visitors.

December 2023 – February 2024: Developed a simple android game, the Tic-Tac-Toe.

September 2023 – December 2023: Developed an mp3 player application for android.

September 2023 – December 2023: Developed an android application for Kisumu Girls High School.

May 2023 – July 2024: Took part and completed the industrial training program offered at Masinde Muliro University of Science and Technology.

April 2023: Created the desktop version of tic-tac-toe for windows using C++ and windows.h library.

April 2023: Created a windows sockets server using C++ and the winsock.h library.

Hobbies and Interests

During my free time, I love reading and researching to gain new knowledge. I enjoy works of art such as drawing, designing, experimenting and implementing new ways of doing things.

I also love making new friends, socializing with friends and family, watching animations and movies and listening to music.

Languages

English.

Swahili.

Referees

Name: Dr. Raphael Angulu

Phone: 0729260641

Email: rangulu@mmust.ac.ke

Occupation: Lecturer and Head of Department, Department of Information Technology, school of Computing and Informatics.

Name: Dr. Jasper Ondulo.

Phone: 0727716382

Email: opiyo7@yahoo.com

Occupation: Lecturer and Head of Department, Department of Computer Science, school of Computing and Informatics.