**DENNIS MUGO THAIRU**

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**AREAS OF EXPERTISE AND COMPETENCIES**

Resourceful and dedicated university Student seeking a Software Developer position. I am adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Proficient in various platforms and programming languages. Experienced with the latest cutting edge development tools and procedures. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. I am looking to advance my software development skills through an entry level opportunity by coming up with innovative solutions that add value to the organization.

**SKILLS**

**Javascript**: Node JS, Express JS, React JS, React Native

**Mobile Application Development** in Kotlin and React Native

**Python**: Django, Flask

**Databases:** Firebase Firestore, SQL, MongoDB

Proficiency in MS suite

**PAST PROJECTS**

**ChatPDF** (<https://www.chatpdf.wiki/>)

A web-based chatbot that analyses pdf files provided by a user and gives responses based only on the pdf files. It is built on langchain (for fine-tuning) and openAI’s Large Language Model.

<https://github.com/Dennis-Mugo/shake>

**Tiba AI (Android Mobile Application)**

An OpenAI-based health assistant that allows a user to input their medical queries and symptoms. The application then provides medical diagnoses and recommendations to the user.

<https://github.com/Dennis-Mugo/zimba>

**EDUCATIONAL BACKGROUND**

2022 - present **Strathmore University**

Currently pursuing Bachelor of Informatics and Computer Science (Third Year)

Mean Score to date: **85.45**

2017-2020 **Strathmore School**

Kenya Certificate of Secondary Education (K.C.S.E) Grade: A plain

Maths A plain, English A-

2009-2016 **Rudan Junior Academy**

Kenya Certificate of Primary Education (K.C.P.E) Marks: 397/500

**WORK EXPERIENCE**

July 2021 **Inceptor Institute of Technology**

Freelance work

* Built a web app using PHP that allows students at the institute to upload their project assignments to a centralized database.

February 2024 – August 2024 I was recommended by Strathmore University to work on a collaboration software project for AMREF International University. Key tasks I undertook were:

* + - * + Building a telehealth web application to seamlessly connect patients to AMREF physiotherapists.
        + Writing a proposal for the solution we intended to provide and presenting it to the university and AMREF the client.
        + Being the team leader of the team during the development stage.

**OTHER EXPERIENCES**

January 2023 - February 2023 **Kenya National Library Service**

Voluntary service - 225 hours

Responsibilities:

* Assisting library users to locate specific books that they would like to read
* Shelving of books
* Spine marking of books
* Maintaining order in the library section assigned.

April 2019 and August 2019 **Children’s Garden Home and School**

Voluntary service – 80 hours

Responsibilities:

* + - * + Teaching Standard 7 and 8 students.
        + Mentoring and giving encouragement to Standard 8 students.

August 2018 **Association of the Physically Disabled of Kenya (APDK)**

Voluntary service – 40 hours

Responsibilities:

* General housekeeping.
* Receiving and registering patients at the front desk.
* Keeping children patients busy by playing with them as they await therapy.

April 2018 **Gertrude’s Hospital Muthaiga**

Voluntary service – 40 hours

Responsibilities:

* Ironing and folding bed sheets in the laundry department.
* Folding and packing of surgical towels.

**ACHIEVEMENTS**

* Holder of the Strathmore School’s Scholar of the Year Award 2020.
* Holder of a certificate of merit for completing 160 hours of voluntary service from Strathmore School.

**EXTRA CURRICULAR ACTIVITIES**

Member of the science club (2018-2019) at Strathmore School

**HOBBIES AND INTERESTS**

* Jogging
* Volunteering
* Cycling

**REFEREES**

1. **Dr. Joseph Orero**

Senior Lecturer, Artificial Intelligence

Strathmore University, School of Computing and Engineering Sciences

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1. **Dr. Dan Orina**

Teacher of Chemistry

Strathmore School

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1. **Benson Kaberia**

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