

FAITH NEEMA BENSON

Mathematician & Machine Learning Scientist

✉ bensonfaith27@gmail.com

☎ (+254) 793994385

📍 Kilifi, Kenya

in faith-neema-benson

EXPERIENCE

Data Science Fellow

Ishango.ai

📅 September 2021 – present 2021 📍 Kigali, Rwanda

- Build unsupervised anomaly detection method to predict failures in a hydroelectric power plant.

Sales and Marketing Personnel

Diamond Industries Limited

📅 March 2021 – September 2021 📍 Mombasa, Kenya

- Marketing and selling various soap products produced by Diamond Industries Limited.

Freelance Writer

<https://www.upwork.com/>

📅 March 2021 – April 2021 📍 Mountain View, United States

- Solving mathematical questions.
- Reviewing journals and writing argumentative essays.
- Data analysis.

Statistian Attachee

Kemri Wellcome Trust

📅 Jan 2016 – April 2016 📍 Kilifi, Kenya

- Collected data and carried out data entry.
- Assisted in data analysis of both quantitative and qualitative data.
- Worked on translation and transcription of research tools.
- Attended scientific seminars and departmental meetings.
- Conducted study literature reviews.

Marketing Personnel

Equity Bank

📅 Sep 2015 – Dec 2015 📍 Kilifi, Kenya

- Carried out marketing of services offered by Equity Bank which included opening of saving accounts and mobile banking.

Field Worker

Kemri Wellcome Trust

📅 May 2011 – May 2012 📍 Kilifi, Kenya

- Took study participants through informed consent forms and obtained their consent for study participation.
- Collected data and carried out data entry.
- Translated research tools.

EDUCATION

Master's in Machine Learning

African Institute for Mathematical Sciences, Ghana

📅 Oct 2019 – March 2021 Grade : Pending

Master of Science in Mathematical Sciences

University of Cape Town, South Africa

📅 Sep 2018 – June 2019 Grade : Distinction

Bachelor of Science in Mathematics

Maasai Mara University, Kenya.

📅 Jan 2013 – Dec 2017 Grade : First Class Honours

SKILLS

Python R STATA SageMath Pytorch
Keras Scikit learn Numpy Git
Matplotlib Seaborn Pandas Latex
Microsoft Excel Word Powerpoint

AWARDS

- MasterCard Foundation Scholarship, AIMS-South Africa Sep 2018
- African Master in Machine Intelligence Scholarship, AIMS-Ghana Oct 2019

STRENGTHS

Hard-working Honest
Motivator & Leader Determined

LANGUAGES

English
Swahili



- Prepared and submitted weekly report.

Teaching Assistant

Mdzongoloni High School

📅 Feb 2011 – April 2011

📍 Kilifi, Kenya

- Taught Mathematics and Physics.

PROJECTS

Implementation of Discrete Element Method (Master Thesis)

yade, latex

📅 March 2019 – May 2019

- Implemented a discrete element method to study the behaviour of granular material flow in rotating drums.

Thorax Disease Detection with Deep Learning (Master Thesis)

python, pytorch, latex

📅 Oct 2020 – Feb 2021

- Developed a deep learning algorithm to analyse medical images

CONFERENCE ATTENDED

Advances in Mathematical Optimization, Compact Course and Summer School

📅 Dec 2018

📍 South Africa

Mathematical Sciences and Application

📅 June 2019

📍 South Africa

CERTIFICATION

- AIMSSEC Community Give Back Programme
- Data Analysis and Visualization BootCamp - Udemy
- Introduction to Data Science in Python - Coursera
- Machine Learning Practical Workout - Coursera
- Neural Networks and Deep Learning - Coursera
- Improving Deep Neural Networks – Coursera
- AI for Medical Diagnosis - Coursera
- Word Of Faith Bible Institute

REFEREES

Prof. Francis Oduro

@ AIMS, Ghana

✉ francis@aims.edu.gh

P.o. Box 676

Cape Coast, Ghana

Dr. Simukai Utete

@ AIMS, South Africa

✉ simukai@aims.ac.za

6 Melrose Road, Muizenberg

7945 Cape Town, South Africa

Prof. Amina Abubakar

@ KEMRI-Wellcome Trust

✉ Aabubakar@kemri-wellcome.org

P.O. Box 230

Kilifi, Kenya