CURRICULUM VITAE

MILLICENT KATHAMBI MURITHI,

P.O BOX 75-10200, MURANG'A,

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PERSONAL INFORMATION

Date of Birth: 21st August, 1984.

Nationality: Kenyan.

Language: English, Kiswahili.

Religion: Christian

PERSONAL/CAREER PROFILE

A committed team player, result-oriented, self-motivated with proven track record in teaching, research and can work under minimum supervision.

CAREER OBJECTIVE

To contribute strong computing skills in software engineering and machine learning as well as enhancing career development and advancement.

My areas of interest include Natural language processing more specific sentiment analysis, machine learning and software engineering.

EDUCATIONAL BACKGROUND

[Current] Murang'a University of Technology

- PhD in Information Technology (ongoing)

Research area: Natural Language Processing and Machine learning

[2016 – 2020] Jomo Kenyatta University of Agriculture and Technology.

- Master of *Science in Computer Systems*
  Research area : Artificial intelligence

[2005 – 2010] Kenyatta University.

- Bachelor of *Science in Software Engineering*

[2001- 2004] St Mary's Girls High School-Igoji, Meru.

- Kenya Certificate of Secondary Education (KCSE).
  Mean Grade B PLAIN

[1993 - 2000] St Theresa's Primary School-Meru   .

- Kenya Certificate of Primary Education (KCPE). *Mean Grade B+*

WORK EXPERIENCE

Tutorial Fellow in Computer Science Department, Murang'a University of Technology [April 2013 – Current]

- Teaching and examining courses in the department of computer science

- Contributing to developing and reviewing the bachelors' curriculum for Computer Science, Computer Technology and Software engineering.

  - Providing academic guidance to students by offering mentorship and support to help students achieve their educational and career goals.

- Engaging in research activities related to computer science and information technology like conducting research, publishing scholarly articles, participating in conferences and seminars to advance knowledge in the field.

Teacher of Diploma in information Technology KNEC courses. Murang'a College of Technology [November 2010 – March 2013]

- Planned and delivered lectures, tutorials, and practical sessions to KNEC diploma-level students in Information Technology.

Intern at Kenya School of Government[June 2008-September 2008]

- Offered Network installation and support, Software and Hardware Installation and IT support, trained computer application skills to trainees
  .

Kenyatta University Female Enhancement in IT and Mathematics (KUFEST) member [Sep 2005 – Aug 2008]

- Mentored female students and provided guidance on the importance of STEM courses to high school students.

MEMBERSHIP TO PROFESSIONAL BODY

Member of International Association of Engineering (IAENG):

Membership Number 233694

PUBLICATIONS

- A Systematic Review of the Sentiment Analysis Models Used in Handling Polarity Shift. International Journal of Computing Sciences Research, [S.l.], v. 8, p. 2635-2676, feb. 2024. ISSN 2546-115X.
- Intelligent Agents' Based Fuzzy Liquidity Management Technique for Mobile Money Transfer. International Journal of Science and Research (IJSR). ISSN (Online): 2319-7064, Index Copernicus Value (2016): 79.57 | Impact Factor (2017): 7.296

RESEARCH GRANTS

- **KENET call for Research and Innovation Grant in Engineering**. (ongoing)

TITLE: Digital Twin and Internet of Things Technologies for Sustainable Precision Maize Production in Kenya (DIGI-PreM)

REFEREES

1. Dr. Aaron Oirere,
   Chairman Computer Science Department,
   Murang'a University of Technology,
   P.O.BOX 75-10200,
   Murang'a.

2. Dr. Rachael Ndung'u,
   Chairman Information Technology Department,
   Murang'a University of Technology,
   P.O.BOX 75-10200,
    Murang'a.

3. Dr. Michael Kimwele,
   Director School of Computing and IT,
   Jomo Kenyatta University of Agriculture and Technology.
   P.O. Box 62 000 – 00200,
   Nairobi.

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