



# THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	Computing and Information Technology
Department:	COMPUTER SCIENCE AND INFORMATICS
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## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Engineering (Dr-Ing)	COMPUTER SCIENCE AND TECHNOLOGY	BEIJING UNIVERSITY OF TECHNOLOGY(China)	2019
Masters of Science (M.Sc.)	COMPUTER SCIENCE AND TECHNOLOGY	CENTRAL SOUTH UNIVERSITY(China)	2011
Bachelor of Science (BSc)	MATHEMATICS AND COMPUTER SCIENCE	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2005
Diploma	PHYSICS AND MATHEMATICS	KAGUMO TEACHERS COLLEGE(Kenya)	2001
O level/Equivalent	KENYA CERTIFICATE OF SECONDARY EDUCATION	WITU SECONDARY SCHOOL(Kenya)	1996

## WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2009 - 2015	Technical University of Kenya	Assistant Lecturer
2010 - 2011	Central South University	Voluntary Research Assistant
2007 - 2009	The Kenya Polytechnic	Assistant Lecturer
2006 - 2007	Lenana School	Maths & Computer Teacher
2005 - 2006	Bien Consultants	Assistant Data Analyst

## GENERAL STATEMENT ON RESEARCH AREAS

Information Security, Cloud Computing, Mobile Computing, Deep Learning

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Integrating Innate Immune Concepts in the Design of an Artificial Immune System-Based Network Intrusion Detection	<a href="http://www.aicit.org/jdcta/global/paper_detail.html?jname=JDCTA&amp;q=954">http://www.aicit.org/jdcta/global/paper_detail.html?jname=JDCTA&amp;q=954</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ</a>
Towards Automated Intrusion Response: A PAMP-Based Approach	<a href="http://www.jourlib.org/paper/2589340#.VY10nVLrviU">http://www.jourlib.org/paper/2589340#.VY10nVLrviU</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ</a>
Using The Dynamic Timeout Period Method in Multipath Congestion Control	<a href="http://thebestthesis.com/?doc/66506">http://thebestthesis.com/?doc/66506</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ</a>
Towards Congestion Control in Mobile Devices by Combating TCP Based Attacks	<a href="http://thebestthesis.com/?doc/66506">http://thebestthesis.com/?doc/66506</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ</a>
Performance analysis of non-linear activation in Convolution Neural Network for Image Classification	<a href="https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=IS0W_-MAAAAJ</a>
The Convolution Neural Network with Transformed Exponential Linear Unit Activation Function for Image Classification	<a href="https://doi.org/10.1145/3317640.3317649">https://doi.org/10.1145/3317640.3317649</a> .
An Evaluation on Securing Cloud Systems based on Cryptographic Key Algorithms	<a href="https://doi.org/10.1145/3242840.3242853">https://doi.org/10.1145/3242840.3242853</a>
A comparative study of fine-tuning deep learning models for plant disease identification	<a href="https://doi.org/10.1016/j.compag.2018.03.032">https://doi.org/10.1016/j.compag.2018.03.032</a>
Analysis of Virtual Machine Migration Security Architectures in Cloud Computing	<a href="https://www.ijser.org/onlineResearchPaperViewer.aspx?Analysis-of-Virtual-Machine-Migration-Security-Architectures-in-Cloud-Computing.pdf">https://www.ijser.org/onlineResearchPaperViewer.aspx?Analysis-of-Virtual-Machine-Migration-Security-Architectures-in-Cloud-Computing.pdf</a> .

## EXTRA INFORMATION

### DESCRIPTION

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[https://scholar.google.com/citations?hl=en&user=IS0W\\_-MAAAAJ](https://scholar.google.com/citations?hl=en&user=IS0W_-MAAAAJ)