

Kate Takyi

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Personal Profile

Career objective: To be Researcher and Professor of Network Security

Attributes:

- Hardworking
- Fast learner
- Good analytical reasoning
- Good report writing ability
- Execute demanding responsibilities
- Build rapport easily
- Eloquent in English
- Voracious reader

Skills acquired:

- Knowledge in:
 - Ms Office tools
 - WEKA (Machine learning Software)
 - OMNET ++ (Network Simulation tool)
 - Packet Tracer (Visual Network Simulation tool)
 - Wireshark (Network / Packet Analyzer)
 - Python Programming
- Typing skills (60 words per minute)
- Practical knowledge in Networking and Machine Learning

Hobbies and interests:

- Reading
- Writing
- Research work

EDUCATIONAL BACKGROUND

August 2016 -
February 2020

PhD Computer Applications
(Lovely Professional University, India)

August 2014 -
June 2016

MSc. Network Technology and Management
(Amity University Haryana, India)

August 2005 - June
2009

BSc. Computer Science
(Kwame Nkrumah University of Science and Technology,
Ghana)

Sept 2001- May
2004

Senior Secondary School Certificate Examination
(Science)
(St. Louis Senior High School, Ghana)

Sept 1999 – May
2001

Basic Education Certificate Examination
(New Oxford International School, Ghana)

WORK EXPERIENCE

6th January 2021 to
Date

Kwame Nkrumah University of Science and Technology
(Lecturer)

Responsibilities

Facilitating face to face and online lectures
Mentoring Students
Collaborative Research
Service to Community and Nation

7th May 2015 to
30th June 2015

Syscon InfoTech Pvt Mumbai

Responsibilities

- Client online training

- Updating of software modules

August 2010 to
October 2013

Noble Gold Bibiani Limited (Mensin Gold Bibiani)
Networks Support Officer

Responsibilities

- Hardware Servicing
- I.T training and software Training
- Installation of Software and Peripherals
- Providing Desktop support
- System and Network Checks and Reports
- Managing of Cable, fibre optic and wireless networks
- Backing up of bio-metric data on Servers
- Managing of Internet and intranet networks

October 2009 to August
2010

KNUST Alumni Centre – National Service

Responsibilities

- Website Management
- Programming software modules
- Database Management

CAREER DEVELOPMENT TRAINING (COURSES)

January 2016 -
March 2016

CCNA & MCSA
Institute of Cloud Computing Professional
New Delhi – India

March 2016 -
May 2016

CCNP & CCSA
Institute of Cloud Computing Professional
New Delhi – India

June 2014 -
July 2014

**Proficiency in Business Communication, I.T
and Life Skills**
CMC Academy – New Delhi India

PROJECTS AND RESEARCH WORK

1. An Improved QoS-Aware Clustering Approach for Network Traffic Classification (Doctorate Level)
2. Modular Framework for Enterprise Network Security- (Master's Level)
3. Elkay (Typing Tutor Software) - (Bachelor's Level)

PUBLICATIONS

1. K. Takyi. B. Amandeep, P and Gupta. "Clustering Techniques for Traffic Classification: A Comprehensive Review." IEEE 7th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) - ICRITO 2018, pp. 224-230, 2018
2. K. Takyi and B. Amandeep, "An Improved Classification Model for Wide Area Networks with Low Speed Links International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, No 8S3, pp.165-174, 2019
3. K. Takyi and B. Amandeep. "A Semi-Supervised QOS-Aware Classification Approach for Wide Area Networks with Limited Resources." International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, No.11, pp. 970-981, 2019
4. K. Takyi and B. Amandeep, "Real-Time Application Clustering in Wide area Networks" Journal of Computers and Electrical Engineering, Vol 85, 2020
5. M.K Dubey S.M. Yaseen, K. Takyi, S. Vashisht, S. Gupta "A Method and System for Enhancing the Reliability of Wireless Sensor Networks by Introducing Improvised Fault Mitigation Technique" Australian Official Journal of Patents, No. 2020102837, 2020
6. A. K. Sharma, K. Upreti, R. S. Sidhu, P. Agrawal, S. Herur, N. B. Madhusudan, K. Gulati, N. K. Bhasin, R. Tewari, M. V. Sonth, B. M. Mahendra, V. Kalpana, B. Venkaiahppalaswamy, S. M. Yaseen, K. Takyi, and K. R. Pravin. "A System for Detection OF Corona Virus in Human Body Using Artificial Intelligence", Australian Official Journal of Patents, No. 2020102228, 2020.

REFERENCES

1. Dr. Amandeep Bagga (Assistant Professor)
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2. Dr. Pooja Gupta (Assistant Professor)
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