Mohammed Moin Mulla
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OBJECTIVE

To work in a creative environment where I can build myself up, make full use of the knowledge I have learned so far, the new things I am looking forward to learn and apply them efficiently to cherish the name of my team and my Organization.

EXPERIENCE

- Working as Assistant Professor in School of Computer Science & Engineering at KLE Technological University, Hubballi from April 2019.

- Worked as Teaching Assistant in School of Computer Science & Engineering at KLE Technological University, Hubballi from August 2017 to March 2019.

- Working on OpenStack Cloud for 2+ Years.

- Hands on experience on L2/L3 switches and Software Defined Networks for 2+ years.

ACADEMIC DETAILS

Examination	University/Board	Institute	Year	CGPA/%
Master of Technology: Post Graduation	*Computer Science and Engineering* KLE Technological University	KLE Tech	2017	8.47
Bachelor of Engineering: Graduation	*Information Science and Engineering* [Autonomous] - VTU	BVBCET	2015	7.73
Diploma in Engineering: Under Graduation	*Information Science and Engineering* DTE, Bangalore	KLE Polytechnic	2011	67
SSLC:	*KSEEB, Bangalore*	AUHSS	2008	86.06

FIELDS OF INTEREST

- Wireless Mesh Network, Software-Defined Networks, Cloud Networking and OpenStack, Virtualization, Cloud computing, Big Data, Hadoop

TECHNICAL SKILLS

- **Languages** (C, C++)

- **Databases** (SQL using MySQL, Oracle, Maria DB)

- **Scripts** (Python, Shell)

- **Cloud Platforms** (AWS Cloud, OpenStack Cloud)

- **Operating Systems** (Windows XP, Windows 7, Windows 8, Ubuntu, OpenSuse, CentOS)

- **Tools** (Eclipse, NetBeans, Code Blocks, Wireshark).

CERTIFICATION

- **Juniper Networks Certified Associate (JUNOS - JNCIA)**

MAJOR PROJECTS

- **KLE Tech Academic Private Cloud.**
  - Core developer of KLE Tech Academic private cloud.
  - Deployed OpenStack private cloud on DELL and HP servers.

- **Utilization Aware Resource Scheduling in OpenStack based Private Cloud.**
  - Objective : To identify the problems with the current OpenStack nova schedulers.
  - To Design and develop an approach for utilization based scheduling.
  - Perform the comparative analysis of utilization based scheduling technique with existing scheduling technique in OpenStack.

- **Tool to Vary the Scheduler Behavior in XEN Hyper-visor**
  - Objective : To provide a tool that manages access to the scheduler. .
  - Performance monitoring of schedulers is important to allow switching between schedulers at run time
  - Studied various papers related to different scheduling techniques on improving efficiency.

- **Load Balancing for Software-Defined Networks.**
  - Objective : To implement a load balancing method to improve the quality of service in the Software-Defined Networks.
  - performance analysis of proposed method with different scenarios.
  - Studied various papers related to Traffic Engineering in Software-Defined Networking .

- **Detection of Distributed Denial of Service Attacks in Software Defined Networks.**
  - Objective : To implement Anomaly based Intrusion detection system in SDN using machine learning algorithms.
  - Simulate security attacks and evaluate the proposed techniques for different scenarios.
  - Studied various papers related to Software-Defined Networking security.

- **Joint Routing, Rate Adaptation and Power Control for Wireless Mesh Networks.**
  - Objective : To implement rate adaptive mechanism to improve the quality of service that reduces average energy consumption for overall network.
  - performance analysis of proposed techniques using various random topologies and traffic.
  - Studied various papers related to different Routing and Rate Adaptation techniques on improving efficiency.

- **Joint Approach To Routing Metric And Rate Allocation.**
  - Objective : To implement rate adaptive mechanism to improve the quality of service at Application layer.
  - performance analysis of proposed techniques using various random topologies and traffic.
  - Studied various papers related to different Routing and Rate Allocation techniques on improving QoS.

PUBLICATIONS

- Mohammed Moin Mulla, Manjunath Badiger and Narayan DG "*Joint routing, rate adaptation and power control for multi-radio wireless mesh networks*". Advances in Computing, Communications and Informatics (ICACCI), 2016 International Conference on. IEEE, 2016.

- Lohit Barki, Amrit Shidling, Nisharani Meti, Narayan DG and Mohammed Moin Mulla "*Detection of distributed denial of service attacks in software defined networks*". Advances in Computing, Communications and Informatics (ICACCI), 2016 International Conference on. IEEE, 2016.

- Preeti Parakh, DG Narayan, Mohammed Moin Mulla, and VP Baligar *"SLA-aware Virtual Machine Scheduling in OpenStack-based Private Cloud"*. 2018 3rd International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS). IEEE, 2018.

- Mohammed Moin Mulla, Meghana M K, Nagashree Shetti, and M M Raikar *"Load Balancing for Software-Defined Networks"*. Emerging Research in Electronics, Computer Science and Technology. Springer, Singapore, 2019. 235-244.

- Mohammed Moin Mulla, Akshay Khot, Anusha Patil, and DG Chandani *"Dynamic Routing in Software-Defined Networks"*. Emerging Research in Electronics, Computer Science and Technology. Springer, Singapore, 2019. 1027-1037.

- Shivaraj Kengond, DG Narayan, and Mohammed Moin Mulla *"Hadoop as a Service in OpenStack"*. Emerging Research in Electronics, Computer Science and Technology. Springer, Singapore, 2019. 223-233.

- Amit Potdar, Narayan DG, Shivaraj Kengond and Mohammed Moin Mulla *"Performance Evaluation of Docker Container and Virtual Machine"*. Procedia Computer Science 171 (2020): 1419-1428. [Elsevier]

- Niroop Janagoudar, Narayan DG, and Mohammed Moin Mulla *"Multi-Objective Scheduling Using Logistic Regression for OpenStack Based Cloud"*. Procedia Computer Science 171 (2020): 1429-1438. [Elsevier]

- Akash Malla, Sumedha Shinde, Narayan DG, and Mohammed Moin Mulla *"Self-Managed Block Storage Scheduling for OpenStack-based Cloud"*. Procedia Computer Science 171 (2020): 1439-1448. [Elsevier]

- Mouna Naravani, Narayan DG, Sumedha Shinde and Mohammed Moin Mulla *"A Cross-Layer Routing Metric with Link Prediction in Wireless Mesh Networks"*. Procedia Computer Science 171 (2020): 2215-2224. [Elsevier]

- Meenaxi Raikar, Meena S M, Mohammed Moin Mulla, Nagashree Shetti, Meghana M K *"Data Traffic Classification in Software Defined Networks (SDN) using supervised-learning*. Procedia Computer Science 171 (2020): 2750-2759. [Elsevier]

ACHIEVEMENTS

- **Working in Juniper Networks lab for a certification training and private cloud.**

- Conducted workshop on Cloud Computing at Ramgarh Engineering College, Ramgarh, Ranchi, Jharkhand.

- Volunteered "Smart India Hackathon-2019", competition held by MHRD, Government of India.

- Worked as a Organizer with Web Extreme, A workshop conducted in Pleiades-15.

- Conducted a workshop on Wireshark network monitoring tool for 3rd year Engineering students.

- Worked as a volunteer with National Cadet Corps (NCC).

- Volunteered "Marathon" which was held in BVBCET on 2014.

- Worked as member of OASIS Student Association during 2014-2015.

- Worked as a volunteer with 5 P's of Research, A workshop conducted by Dept. of CSE - KLE Technological University.

INTEREST AND HOBBIES

- Exploring New Technologies.

- Solving Puzzles.

- Listening Music.

- Reading Books.

PERSONAL PROFILE

Name : Mohammed Moin Mulla

Father's Name: Abdul Munaf

Date of birth: 06 September 1992

Languages Known: English, Kannada, Urdu and Arabi

DECLARATION

I hereby declare that the information furnished above is correct to the best of my knowledge and personal beliefs.

Place : Hubballi.

Date :

[Mohammed Moin Mulla]