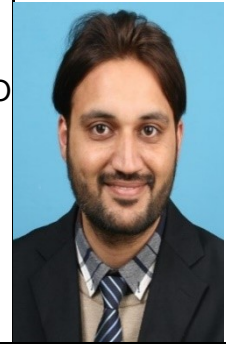


RESUME

Mr. Hafiz Ahmad Ali



Address: Khyber Pukhtunkhwa (KPK), Mardan, Katlang, V.P.O Babuzai.
Passport: NU1795223
Date of Birth: 1989-10-06
Tel No (M): 0334-8407539
Email: ahmadali@sjtu.edu.cn, ahmadalihafiz8@gmail.com

Objectives:

Currently a PhD Scholar from department of Computer Science & Engineering, University of Shanghai Jiao Tong China, looking to secure a Graduate lecturer position or IT supervisor to utilize my current presentation skills and knowledge and also help me to further develop these skills in a practical and fast-paced environment.

PhD (In Process) Shanghai Jiao Tong University, China (Sep, 2017-Aug, 2021)

Research Interest: Deep Learning, Urban Computing, Cloud Computing and Fog Computing.

ACADEMIC QUALIFICATION:

Sep, 2014- March, 2017	Graduate Scholar at Computer Science and Engineering Department. Institution: Shanghai Jiao Tong University, China.		
	CGPA	2.2/3.3	Completed
2009-2013	Bachelor of Computer Science (Hons). Institution: Abdul Wali Khan University, Mardan.		
	CGPA	3.53/4.0	Completed
2007-2009	HSSC: Institution: Post Graduate College for Men H-8 Islamabad.		
	Scores:	605/1100	Division 2 nd
2006	SSC: Institution: Government High School Babuzai, Mardan.		
	Scores:	699/1050	Grade 1 st

MAJOR COURSES IN MASTRER:

- Matrix Theory
- Numerical Analysis
- Chinese language

- Chinese Culture
- Internet of Things (IoT)
- Advance Computer Networks
- Programming Theory
- Modern Mobile Communication and Computing

MAJOR COURSES IN BACHELOR:

- Compiler Construction
- Introduction to Computer
- Automata Theory
- Data Structure
- Web Semantic
- Computer Organization & Architecture
- Differential Equations
- Calculus 1 & 2
- C, C++ and VB.Net

MASTER RESEARCH WORK:

An Energy Efficient Algorithm for Virtual Machine Allocation in Cloud Datacentres.

- Design VM based allocation algorithm for efficient energy Cloud computing
- Minimize number of physical hosts
- Qos requirements and end-user satisfaction

BACHELOR RESEARCH PROJECT:

- Developed an online student's admission system for administration office using Web programming tool.

BACHELOR SEMESTER PROJECTS:

- Route Redistribution between (OSPF & EIGRP) and (EIGRP & RIP)
- Local Area Network Design & Switch Configuration
- Network Protocol Compatibility (IPV4 and IPV6)
- Expert system for Network Trouble-Shooting

TECHNICAL SKILLS:

- Programming Tools: C, C++, Python, Java, SQL, Packet Tracer and GNS-3
- Windows Clients: Windows XP, Windows 7, Windows 8 and 10.
- Microsoft Office Package, MS Visio and Visual Studio

ACHIEVEMENTS:

- Awarded by Chinese Government Scholarship (CSC) for MS degree.
- Awarded by Shanghai Government Scholarship (SGS) for PhD degree.
- Laptop awarded on Merit based by the Government of KPK.
- Cisco Certified Network Professional (CCNA) Training (Honored).
- Reviewed **314** research articles for well reputable journals including Information Sciences, Multimedia Tools and Applications, Neural Computing and Applications, Internet of Things etc.

PROFESSIONAL CERTIFICATIONS / TRAININGS:

- Cisco Certified Network Associate (CCNA) Route and Switch (**LAN** (Wired and Wireless) Design and Administration, TCP/IP, LAN devices, cabling)

WORK EXPERIENCE:

- **Lecturer and Lab Engineer:**
- Currently working as a **visiting lecturer** at University of Technology (UoT), Nowshera (APS).
- As a Volunteer at Computer Science Department, Government Degree College Babuzai, Mardan KPK, Pakistan from 1st September, 2013 to 30 April, 2014.
- **Hifz-UI-Quran: 4 years Hifz-UI-Quran experience at Jamia Gwandi Babuzai, Mardan.**
- Three Months Workshop on Hardware & Software: a Leading Research Group “i-Future” Abdul Wali Khan University Mardan KPK, Pakistan.

PUBLICATIONS:

1. Leveraging Spatio-Temporal Patterns for Predicting Citywide Traffic Crowd Flows Using Deep Hybrid Neural Networks (2019 IEEE 25TH International Conference on Parallel and Distributed Systems (ICPADS)) (**Accepted**)
 - a. **Authors=** {Ahmad Ali, Yanmin Zhu, Qiuxia Chen, Jiadi Yu, Haibin Cai}
2. An Energy Efficient Algorithm for Virtual Machine Allocation in Cloud Datacenters (**Accepted**)
 - a. **Authors=** {Ali, Ahmad and Lu, Li and Zhu, Yanmin and Yu, Jiadi}
3. Using DVFS Power Aware Simulation for Virtual Machine allocation in Cloud Computing Datacenters (**Accepted**)
 - a. **Authors:** {Ali Ahmad, Ali Riaz}
4. VM Replacement Algorithm for QoS and Energy Awareness In Cloud Datacenter (**Accepted**)
 - a. **Authors:** {Riaz Ali. Yoa Shen, Ahmad Ali}
5. A data aggregation based approach to exploit dynamic spatio-temporal correlations for citywide crowd flows prediction in fog computing (**Multimedia Tools and Applications (Accepted)**)
 - a. **Authors:** {Ahmad Ali, Yanmin Zhu, Muhammad Zakarya}
6. Modeling Dynamic spatio-Temporal Correlations for Urban Traffic Flows Predictions (**Accepted**)
 - a. Nabeela Awan, Ahmad Ali, Fazullah Khan, Muhammad Zakarya, Mahwish Kundi, Mohammad Alsheri, Muhammad Haleem
7. Exploiting dynamic spatio-temporal correlations for citywide traffic flows prediction using an attention based neural networks (**Information Sciences Journal (Under Review)**)
8. Exploiting Dynamic Spatio-temporal Graph Convolutional Neural Networks for Citywide Traffic Flows Prediction (**Neural Networks Journal)(Under Review)**

Languages:

- English : Excellent
- Urdu: Excellent
- Pashto: Excellent
- Chinese: Basics

References:

Dr. Muhammad Zakarya
Department of Computer Science, Abdul Wali Khan University, Mardan
Email address: mohd.zakarya@awkum.edu.pk