

CURRICULUM VITAE

Dr. Zulfikar Ahmed Maher



Date of Birth: 07th September, 1979

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Hand Phone No. 03483395696

Languages: English, Sindhi, Urdu

IELTS : 6.5 Band

Current address:

Bungalow No: D:06, Sindh Agriculture University Colony Tandojam

ACADEMIC PROFILE

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|------|--|
| 2021 | PhD (Information Technology)
International Islamic University Malaysia |
| 2017 | M.S (Software Engineering)
University Putra Malaysia, Malaysia
CGPA = 3.938 |
| 2004 | B.S (Computer Science) Hons.
Shah Abdul Latif University Khairpur, Pakistan
Grade: A (76.11 % Marks) |

JOB PROFILE

Assistant Professor (Information Technology)

01, November 2022 to (Continue)

Information Technology Centre,
Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Teaching undergraduate and postgraduate students
- Supervise MS students
- Setting question papers and assessment
- Conduct examinations
- Conduct research and publication

Lecturer (Information Technology)

01, July 2008 to 31, October 2022

Information Technology Centre,
Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Teaching undergraduate and postgraduate students
- Supervise MS research students
- Setting question papers and assessment
- Conduct examination
- Conduct research and publication

System Technician / System Associate (BPS-17)

07th January, 2005 to 31st June, 2008

Information Technology Centre,
Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Designing, Deploying and Configuring Domains, Policies
- Installing, managing & maintaining Servers
- Installing & maintaining network devices
- Managing Video Conferencing
- Procurement of Hardware & License Software.

ADDITIONAL JOB PROFILE

Tutor - Part Time

05th, Feb 2018 to 18th, May 2019

Faculty of Information & Communication Technology,
International Islamic University Malaysia.

Responsibilities:

- Teaching Undergraduate Students

Exam Superintendent

December, 2010

Virtual University Pakistan- Hyderabad Campus

Responsibilities:

- Invigilation and Conducting examination

ADDITIONAL RESONSIBILITIES

Faculty Co-coordinator

May 2022 to continue

1st September 2010 to 19th September, 2011

Information Technology Centre,
Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Managing Classes and Examination schedule
- All the academic correspondence related to classes and examination with authorities and controller section
- Managing Examination and invigilation duties and other related tasks

Deputy Hostel Provost

10th November 2021 Continue

08th November 2010 to 19th September, 2011

Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Managing Hostel allotment of Information Technology Centre students
- Routine visits to hostel for inspection and ensuring proper facilities to students
Resolving any other issues related to ITC hostel and students

System Administrator

07th January 2005 to 1st June, 2010

Information Technology Centre,
Sindh Agriculture University, Tando Jam, Pakistan

Responsibilities:

- Overall Administration and Management of the Sindh Agriculture University, Tando Jam Network operation Centre (NOC)
- Lead the Sindh Agriculture University, Tando Jam networking team

TRAININGS & WORKSHOPS

Vmware Vsphere: Install, Configure, Manage V5.0

International Malaysian Training Centre, Kuala Lumpur Malaysia

From 18-Dec-2017 to 22-Dec- 2017

Effective Vendor Management

International Malaysian Training Centre, Kuala Lumpur Malaysia

From 04-Dec-2017 to 08-Dec- 2017

Huawei GPON pre-sales training

Qantrex Corporation Sdn Bhd, Temasya Industrial Park, Shah Alam, Malaysia

Dated : 10-09-2014

Cisco Tandberg Video Conferencing Solution & Polycom PVX.

Higher Education Commission Pakistan, Regional Centre, Karachi Pakistan

From 18-Aug-2008 to 23-Aug- 2008

Microsoft Exchange Server 2003

Computer Training & Testing Centre (CTTC) , Karachi Pakistan

From 01-April-2006 to 15-May- 2006

Interconnecting Cisco Network Devices (ICND) & Switching (CCNA 5.0)

SAN Technologies, Karachi Pakistan

From 01-June-2003 to 21-July-2003

Cisco 2620 Routers, Cisco 2950 & 4507R Catalyst switches.

SAN Technologies, Karachi Pakistan

From 01-June-2003 to 21-July-2003

Microsoft Exchange Server 2000

SAN Technologies, Karachi Pakistan

From 01-June-2003 to 21-July-2003

Microsoft ISA Server 2000.
SAN Technologies, Karachi Pakistan
From 01-June-2003 to 21-July-2003

Microsoft Windows Server 2003
SAN Technologies, Karachi Pakistan
From 01-June-2003 to 21-July-2003

Basic I.S.P Architecture
PAKNET ISP Hyderabad, Pakistan
From 26-SepT-2003 to 27-Oct- 2003

RESEARCH & PUBLICATIONS:

Rahu, S., Ghulam, A., Farman, A., Talpur, D.B., Talpur, M.S.H., Saba, E., Maher, Z.A. and Tunio, S., (2022). UBI-XGB: identification of ubiquitin proteins using machine learning model. *Journal of Mountain Area Research*, 8, pp.14-26.

Ghulam, A., Sikander, R., Talpur, D. B., Saba, E., Talpur, M. S. H., Maher, Z. A., & Tunio, S. (2022). Identifying molecular functions of dynein motor proteins using extreme gradient boosting algorithm with machine learning. *Journal of Mountain Area Research*, 8, 1-13.

Ali, F., Ghulam, A., Maher, Z. A., Khan, M. A., Khan, S. A., & Hongya, W. (2022). Deep-PCL: a deep learning model for prediction of cancerlectins and non cancerlectins using optimized integrated features. *Chemometrics and Intelligent Laboratory Systems*, 221, 104484.

Ali, F., Akbar, S., Ghulam, A., Maher, Z. A., Unar, A., & Talpur, D. B. (2021). AFP-CMBPred: Computational identification of antifreeze proteins by extending consensus sequences into multi-blocks evolutionary information. *Computers in Biology and Medicine*, 139, 105006.

Laaraib, E., Maher, Z. A., Solangi, Z. A., Koondhar, M. Y., Memon, M., Depar, M., & Shah, A. (2021). A Methodology for Incorporating Quality Assurance Practices during Software Development Life Cycle. *International Journal of Advanced Trends in Computer Science and Engineering*, 10(3).

Shaikh, H., Maher, Z. A., Raza, A., Koondhar, M. Y., Hussain, S., & Shah, A. (2021). Acceptance of IoT Learning Among University Students at Pakistan. *International Journal of Advanced Trends in Computer Science and Engineering*, 10(3).

Ali, A., Koondhar, M. Y., Depar, M. H., Maher, Z. A., Rind, M. M., & Shah, A. (2021). Framework for Location Based Attendance System by Using Fourth Industrial Revolution (4IR) Technologies. *International Journal of Advanced Trends in Computer Science and Engineering*, 10(3).

Ghulam, A., Memon, M., Hyder, M., Maher, Z. A., Unar, A., Swati, Z. N. K., ... & Farman, A. (2021). Identification of Novel Protein Sequencing SARS CoV-2 Coronavirus Using Machine Learning. *Bioscience Research*, 47-58.

Solangi, Z. A., Solangi, Y. A., & Maher, Z. A. (2021). Adoption of IoT-based Smart Healthcare: An Empirical Analysis in the Context of Pakistan. *Journal of Hunan University Natural Sciences*, 48(9).

Z. A. Maher, M. H. Depar, M. Memon, M. Y. Koondhar, P. K. Butt, & A. Shah. (2020). Measuring Secure Software Development Awareness and Usage among Software Developers. *Sindh University Research Journal - SURJ (Science Series)*, 52(4).

Abdul Samad Jamali, Muhammad Yaqoob Koondhar, Mansoor Hyder Depar, Zulfikar Ahmed Maher, & Mukhtiar Memon. (2020). A Conceptual Framework For Smart Education System For Postgraduate Students. *University of Sindh Journal of Information and Communication Technology* , 4(3), 165 - 172.

Solangi, Z. A., Solangi, Y. A., Solangi, I. A., Chandio, S., Maher, Z. A., Rang, A. R., & Shaikh, N. A. (2020). Internet of Health Things: A Review. *Egyptian Computer Science Journal*, 44(3).

Maher, Z. A., Shah, A., Chan-dio, S., Mohadis, H. M., & Rahim, N. H. B. A. (2020). Challenges and limitations in secure software development adoption-A qualitative analysis in Malaysian software industry prospect. *Indian Journal of Science and Technology*, 13(26), 2601-2608.

Khan, M. S., Mohamadali, N. A. K., Maher, Z. A., Nisa, S. Q., Shaikh, H., & Shah, A. (2019). Information technology (IT) based intervention among individuals with ASD (autism spectrum disorder): A review. In 2019 IEEE International Conference on Innovative Research and Development (ICIRD) (pp. 1-3). IEEE.

Shaikh, H., Khan, M. S., Mahar, Z. A., Anwar, M., Raza, A., & Shah, A. (2019). A conceptual framework for determining acceptance of Internet of Things (IoT) in higher education institutions of Pakistan. In 2019 International Conference on Information Science and Communication Technology (ICISCT) (pp. 1-5). IEEE.

Solangi, Y. A., Solangi, Z. A., Maher, Z. A., Aziz, M. A., Hamzah, M. S., & Shah, A. (2019). Revised and Extended Social Commerce Technology Adoption in e-business of Pakistan. *International Journal on Perceptive and Cognitive Computing*, 5(2), 52-58.

RAJPUT, M., BUTT, P., TUNIO, S., MAHER, Z., & QURESHI, S. (2019). SOAF Architecture Adoption on Clinical Decision E-Healthcare System. *Sindh University Research Journal-SURJ (Science Series)*, 51(3), 399-404.

BROHI, A., BUTT, P., SHEIKH, S., MAHER, A., & MAHESAR, H. (2019). Study of the Governing issues for Implementation of Cyber Security system and Digital Morals in Pakistan. *Sindh University Research Journal-SURJ (Science Series)*, 51(01), 25-30.

MAHER, Z., MALIK, A., RAHU, G., SHAIKH, S., BUTT, P., MAHAR, I., & SHAIKH, H. (2018). A Metadata Architecture over cloud for enabling knowledge support for SMEs. *Sindh University Research Journal (Science Series)*, 50(3D), 110-115.

BROHI, I., ALI, N., SHAIKH, I., KATPER, N., MAHER, Z., CHANNAR, S., & SHAH, A. (2018). A Review of Near Field Communication Process: How do it works?. *Sindh University Research Journal (Science Series)*, 50(3D), 237-240.

Khatri, N. A., Shaikh, H., Maher, Z. A., Shah, A., & Ahmed, S. F. (2018). A Review on Optimization of Vehicle Frontal Crashworthiness for Passenger Safety. *International Journal of Engineering & Technology*, 7(2.34), 1-4.

Shaikh, H., Jokhio, M. U., Maher, Z. A., Chandio, S., Manirajah, M., Abdullah, B. & Shah, A. (2018). Beyond Traditional Audits: The Implications of Information Technology on Auditing. *International Journal of Engineering & Technology*, 7(2.34), 5-11.

Shah, S. M. M., Ali, R., Dahri, A. S., Brohi, N. A., Maher, Z. A., & Hameed, W. U. (2018). Determinants of job satisfaction among nurses: Evidence from South Asian perspective. *International Journal of Academic Research in Business and Social Sciences*, 8(5), 19-26.

Butt, P. K., Entao, L. U. O., Pathan, M., Shahani, I. A., Shaikh, M. K., & Maher, Z. A. (2018). Analyzing Mobile Apps Energy Consumption. *J. Appl. Environ. Biol. Sci*, 8(3), 36-40.

Maher, Z. A., Shaikh, H., Khan, M. S., Arbaeen, A., & Shah, A. (2018). Factors Affecting Secure Software Development Practices Among Developers-An Investigation. In 2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences (ICETAS) (pp. 1-6). IEEE.

Shaikh, H., Maher, Z. A., Raza, A., Abdullah, M. M. B., & Shah, A. (2018). The Effect of Web-based Social Networking on Consultancy. In 2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences (ICETAS) (pp. 1-4). IEEE.

Aldhahery, M., Wahiddin, M. R., Khuhro, M. A., & Maher, Z. A. (2018). Investigation of Adoption Behaviour for Social Commerce in the Kingdom of Saudi Arabia. In 2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences (ICETAS) (pp. 1-4). IEEE.

Maher, Z. A., Shah, A., Shaikh, H., Rahu, G. A., Butt, P. K., Chandio, S., & Shaikh, S. (2018). A Methodology for Modeling and Analysis of Secure Systems Using Security Patterns and Mitigation Use Cases. 7th International Conference on Computer and Communication Engineering (ICCCE) (pp. 268-273). IEEE.

Malik, A.P., Maher, Z.A., Rahu, G.A., Shaikh, S., Rind, M.M. (2017). Enabling Knowledge support for SMEs by extending HYRISE (A Hybrid Main Memory Database) Metadata Architecture over cloud. *International Conference on Engineering Technologies and Applied Science (ICETAS 2017)*. Malaysia (23-25/01/2017)

Maher, Z.A., Sani, N.F.M., Din, J. and Jabar, M.A., (2016). Use of Security Patterns for Development of Secure Healthcare Information System. *Journal of Medical Imaging and Health Informatics*, 6(6), pp.1541-1547.

Z.A. Maher; N.F.M. Sani ; M.A. Jabar; J. Din (2015). Unifying Security Patterns and System Models for Secure Software Architecture Modeling. 2nd International Conference on Medical, Engineering and Health Sciences 2015. Malaysia (19-20/12/2015)

Chhachhar, A. R., Qureshi, B., Maher, Z. A., & Ahmed, S. (2014). Influence of Internet Websites on Children Study. *Journal of American Science*, 10(5).

Chhachhar, A. R., Makhijani, H. B., Khushk, G. M., & Maher, Z. A. (2014). Use of Mobile Phone among Farmers for Agriculture Information. *European Journal of Scientific Research*.119 (2).

Chhachhar, A. R., Makhijani, H. B., Khushk, G. M., & Maher, Z. A. (2013). Information and Communication Technologies for Rural Development in Developing countries. *Journal of American Science*, 9(9).