Dr. Muhammad Bilal

Currently employed as an Assistant Professor at NUML, Pakistan

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📍 House # 310-B, Sitara Colony Faisalabad Pakistan, 38000 Faisalabad

Profile

To obtain a professional position in the consulting industry utilizing my relevant experience, technical expertise, and problem-solving skills. Passionate about Web security and educating the next generation of technology users and innovators.

Employment

Assistant Professor in Computer Science Feb 2024 – Present
National University of Modern Languages

Assistant Professor in Computer Science and Information Technology Nov 2022 – Feb 2024
The Superior University, Faisalabad Campus

Lecturer in Computing Oct 2020 – Nov 2022
Riphah International University, Faisalabad

Senior Elementary School Educators (SESE) Apr 2014 – Sep 2016
Government of Punjab Education Department, Faisalabad

Honorary Lecturer Sep 2012 – Nov 2013
Government Post Graduate College Samanabad, Faisalabad

Lecturer Jan 2011 – Apr 2012
SAHA Group of Colleges, Faisalabad
Teaching BS Level students.

Education

Ph.D. Computer Science and Technology Sep 2016 – Mar 2023
Zhejiang University, Hangzhou, China
Research-based doctorate level degree. World QS ranked No. 47 University

Master of Science in Computer Science Oct 2013 – Sep 2016
National Textile University, Faisalabad, Pakistan
Computer Science Research-based degree

B. Sc (Hons) Computer Science Oct 2006 – Dec 2010
University of Engineering & Technology Lahore, Pakistan
Computer Science Field Expertise

Personal details

Date of birth:
November 14, 1987

Place of birth:
Faisalabad

Driver's license
Motor Cycle + Car

Gender
Male

Nationality
Pakistani

Civil status
Married

Website
bilalzju.mystrikingly.com

LinkedIn
https://www.linkedin.com/in/muhammad-bilal-phd-zhejaing-university/

Research Interest
Web Security Protocol, Information Systems, Computer Networks, Innovation

Skills

Microsoft Office

Journal Referee/Reviewer--> IEEE Transaction on Industrial Informatics, IEEE ACCESS, Sage Open, Scientific Programming, Peer Journal Computer Science, CMC-Computers, Materials & Continua (CMC), Security and Communication Networks, IEEE IoT etr.

F. Sc Pre-Engineering   Jul 2004 – Aug 2006
Government College University Faisalabad, Pakistan,

Matriculation Science   Jun 2002 – Jun 2004
Government Comprehensive Model High School Samanabad,
Faisalabad, Faisalabad

Internships

Field Support Engineer   May 2012 – Aug 2012
COMSATS Internet Services, Faisalabad
Training different routers and switching devices.

Internee   Jul 2010 – Aug 2010
Pakistan Telecommunication Company Limited, Faisalabad
Training different switching systems EWSD, Alcatel & ZTE.

Certificates

Certification   Feb 2024
Mastering Research Papers Access and Review

Certification   Aug 2024
Google Ads for Beginners?

Certification   Aug 2024
Search Engine Optimization (SEO) with Squarespace

Certification   Oct 2024
What is Software Development?

Certification   Dec 2024
Introduction to Networking

Certification   Dec 2024
Introduction to Networking and Storage

Letter of Appreciation   Nov 2022
Capacity Building Program

Certificate of Participation   Sep 2021
Five Days Faculty Development Training Program

Certificate of Participation   Sep 2021
Writing Your Thesis in 60 Days (UTHM)

Certificate for Session Chair   Dec 2019
International Conference on Information Technology: IoT and Smart
City held in Shanghai, China.

Certificate of Participation   Mar 2013
Network Simulation and Patch Development Workshop held at M.A.
Jinnah University, Islamabad

CCNA

CCNP

C++

Hobbies

- Playing and watching cricket
- Study IT and Networking related materials and Research topics
- Watching Urdu dramas and movie dialogue
- Perform Innovative tasks

Achievements

- Top-ranked universities secure Chinese Scholarship Council (CSC) scholarships

Languages

Urdu

English

Punjabi

Arabic

Chinese

Journal Publication

1. M. B. Muzammil, **M. Bilal**, S. Ajmal, S. C. Shongwe and Y. Y. Ghadi "Unveiling Vulnerabilities of Web Attacks Considering Man in the Middle Attack and Session Hijacking" IEEE Access, 2024 [WOS 3.9 IF, Q2 Ranked].

2. S. Ajmal, M. S. Sarfraz, I. Memon, **M. Bilal**, K.A. Alam "PUB-VEN: a personalized recommendation system for suggesting publication venues" Multimedia Tools and Applications, 2023 [WOS 3.6 IF, Q2 Ranked].

3. **M. Bilal**, S. C. Shongwe, A. Bashir, Y.Y. Ghadi "Assessing Secure OpenID-Based EAAA Protocol to Prevent MITM and Phishing Attacks in Web Apps" Computers, Materials & Continua, 2023 [WOS 3.1 IF, Q2 Ranked].

4. **M. Bilal**, M. Asif, A. Bashir "Assessment of Secure OpenID-Based DAAA Protocol for Avoiding Session Hijacking in Web Applications" Security and Communication Networks, 2018 [WOS 1.2 IF, Q3 Ranked].

5. **M. Bilal**, "A Review of Internet of Things Architecture, Technologies and Analysis Smartphone-based Attacks Against 3D printers" arXiv preprint arXiv:1708.04560, June 2017 (Preprint).

6. **M. Bilal**, A. Ahmed, Q. Zaman, M.A. Zia, A. Rehman, Z. I Asif, A. Zahid, R. L. Ahmed, M. W. Munir, A. Riaz," Bilaltiger Innovative Theme Based Fantastic Facebook System" International Journal of Computer Science Issues (IJCSI), Vol. 11, Issue 2, pp. 227-232, March 2014 [EI Indexed].

7. **M. Bilal**, M. Awais, "Executive Enhance Business Value of BAL Information System," International Journal of Computer Science Issues (IJCSI), Vol. 9, Issue 5, pp. 413-420, Sep 2012 [EI Indexed].

8. M. Awais, M. Irfan, **M. Bilal**, T. Samin, "Helpful Business Value of Advanced BAL Information System," International Journal of Computer Science Issues, Vol. 9, No.1, PP. 415-422, Jan 2012 [EI Indexed].

9. M. Awais, T. Samin, **M. Bilal**, "Valuable Internet Advertising and Customer Satisfaction Cycle (VIACSC)" International Journal of Computer Science Issues (IJCSI), Vol. 9, Issue 1, pp. 375-380, Jan 2012 [EI Indexed].

10. M. Awais, T. Samin, **M. Bilal**, "Effective Business Value of Bal Information System" International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 6, pp. 366-370, Nov 2011 [EI Indexed].

11. **M. Bilal**, "Rahul Fixed Priority Enhance Classes Bandwidth Exploitation in TDM EPON" International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 5, pp. 452-461, Sep 2011 [EI Indexed].

12. **M. Bilal**, "Fixed Advance Priority based Bandwidth Utilization in TDM EPON, "International Journal of Computer Science Issues (IJCSI), Vol.8,

Qualities

- ■ Hard Working

- ■ Leadership

- ■ Teamwork

- ■ Patience

Issue 3, pp. 543–552, May 2011[EI Indexed].

13. **M. Bilal**, M. Awais, M. Irfan, A. Rafiq, "Fixed Innovative Bandwidth Utilization in TDM EPON" International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 2, pp. 634–643, March 2011[EI Indexed].

CONFERENCE PAPERS

1. M. Sohail, **M. Bilal**, A. Bashir, M. Farooq, M.A. Hussain "Assessment of Critical Challenges Faced by Students and Significance of Cutting Edge Technologies in Pakistan Education during COVID-19 Pandemic" in International Conference on Innovative Computing (ICIC) 9-10 Nov 2021, IEEE, Lahore, Pakistan [EI Indexed].

2. **M. Bilal**, C. Wang, Z. Yu, A. Bashir "Evaluation of Secure OpenID-Based RAAA User Authentication Protocol for Preventing Specific Web attacks in Web Apps" International Conference on Software Engineering and Service Science (ICSESS) 18-21 Oct 2020, IEEE, Beijing, China [EI Indexed].

3. **M. Bilal**, Zhi Yu, Abid Bashir, M. Ali Hussain "Awareness and Settlement of IT Field Key Challenges for Next Generation Development in World" The 7th International Conference on Information Technology: IoT and Smart City (ICIT) 20-23 Dec 2019, ACM, Shanghai, China [EI Indexed].

4. **M. Bilal**, Zhi Yu, Shuyi Song, and Can Wang," Evaluate Accessibility and Usability Issues of Particular China and Pakistan Government Websites" 2nd International Conference on Artificial Intelligence and Big Data (ICAIBD) 25-28, May 2019, IEEE Xplore, Chengdu, China [EI Indexed].

5. **M. Bilal**, F. Khalid, M. A. Habib, "Review Concerning with Internet Protocol," Proceedings of the First International Young Engineering Convention (FIYEC), 18-21, April 2014, UET Lahore Pakistan.

6. **M. Bilal**, M. Adeel, "Innovative Business Value for Survival of Educational Information System for Quality Control," Proceedings of the First International Young Engineering Convention (FIYEC), 18-21, April 2014, UET Lahore Pakistan.

Extracurricular activities

Zhejiang University Software Engineering   Jun 2018 – Jul 2018
International Education-Research
Industry Program

Zhejiang University, Hangzhou
Collaborative University Summer Camp. We visited different industries in Hangzhou, such as Ali Baba Headquarters, Westlake, and other cultural places.

References

Dr. Can Wang (Professor)
Zhejiang University, Hangzhou
wcan@zju.edu.cn

Dr. Gao Yi (Associate Professor)
Zhejiang University, Hangzhou
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Dr. Sheng Zhou (Associate Professor)
Zhejiang University, Hangzhou
zhousheng_zju@zju.edu.cn