

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Naeem Ahmed MAHOTO**

Address Department of Software Engineering, Mehran UET
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Fax(es)

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Nationality Pakistani

Date of birth 04 January 1983

Gender Male



Desired employment / Occupational field

Higher education teaching professional

Work experience

Dates	23 December 2017 – till today
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching undergraduate and post-graduate engineering students Doing research in computer engineering field
Name and address of employer	Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)
Type of business or sector	Education
Dates	17 April 2013 – 22 December 2017 (4 years and 8 Months)
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching undergraduate and post-graduate engineering students Doing research in computer engineering field
Name and address of employer	Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)
Type of business or sector	Education
Dates	14 February 2008 - 16 April 2013 (5 years and 2 Months)
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching undergraduate engineering students Doing research in computer engineering field
Name and address of employer	Mehran University of Engineering and Technology 76062 Jamshoro (Pakistan)
Type of business or sector	Education
Dates	02 September 2006 - 27 October 2006 (2 Months)
Occupation or position held	Software Developer
Main activities and responsibilities	Development of ongoing projects
Name and address of employer	Ibn-e-Khuldoon Systems, DHA (Karachi)
Type of business or sector	Private

Dates	01 March 2006 - 31 August 2006 (6 Months)
Occupation or position held	Testing Engineer
Main activities and responsibilities	Testing ongoing projects
Name and address of employer	Softech Microsystems Gulshan-e-Iqbal, 75300 Karachi (Pakistan)
Type of business or sector	Private

Education and training

Dates	01 January 2010 → March 2013
Title of qualification awarded	PhD in Information and System Engineering
Principal subjects / occupational skills covered	Data Mining Databases technology and Data warehousing Textual data analysis sequential pattern mining
Name and type of organisation providing education and training	Politecnico di Torino (Public sector university) Duca degli Abruzzi, 24, 10129 Torino (Italy)
Level in national or international classification	ISCED 8

Dates	01 January 2007 - 30 March 2009
Title of qualification awarded	Masters of Engineering (4 CGPA)
Principal subjects / occupational skills covered	Communication Systems and Networks Digital communication Signal Processing Digital Image processing Computer vision
Name and type of organisation providing education and training	Mehran UET (Public sector university) 76062 Jamshoro (Pakistan)
Level in national or international classification	ISCED 7

Dates	05 April 2009 - 20 May 2009
Title of qualification awarded	Teaching Training
Principal subjects / occupational skills covered	Teaching skills Psychology Technical writing
Name and type of organisation providing education and training	Mehran UET (Public sector university) 76062 Jamshoro (Pakistan)
Level in national or international classification	ISCED 7

Dates	01 January 2002 - 04 January 2006
Title of qualification awarded	Bachelors of Engineering (3.98 CGPA)
Principal subjects / occupational skills covered	Software Engineering Software Quality Assurance Project Management Computer Programming
Name and type of organisation providing education and training	Mehran UET (Public sector university) 76062 Jamshoro (Pakistan)
Level in national or international classification	ISCED 6

Personal skills and competences

Mother tongue(s)

Sindhi

Other language(s)

Self-assessment

European level (*)

English

Urdu

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Good ability to adapt to multicultural environments, gained through my studies experience abroad
Good communication skills gained through private sector job and public sector jobs

Organisational skills and competences

skilled to work in team, manage team as lead or work as member.
Remained Group lead in academic projects.

Technical skills and competences

Good command of quality control processes (I was responsible for the quality of projects in my private sector job)

Computer skills and competences

- Good command of Office Automation Tools (Word™, Excel™ and PowerPoint™)
- Good skills in programming languages (C, C++, Java, Python)
- Good command of Microsoft Access, MySQL, Oracle Databases
- Good command in using Operating Systems (Linux and Mac OS X)
- Basic knowledge of graphic design applications (Gimp, PhotoShop™)

Artistic skills and competences

- Social articles Writing

Other skills, achievements and competences

- PhD scholarship in UESTPs/UETs HEC Islamabad, Pakistan
- Gold Medalist B.E (Software Engineering)
- Silver Medalist B.E (Software Engineering)
- Merit Awards each year during B.E from MUET, Jamshoro
- Merit Award in H.S.S.C-II from B.I.S.E Larkana
- 1st Position in Matriculation in Govt. Hight School Mahota, Larkana

Driving licence(s)

Motorcycle, Car

Additional information

Thesis/Project Supervision

- **Under-Graduate:** Several Undergraduate Dissertations/Projects have been supervised
- **Post-Graduate:** 11 Dissertations supervised, 7 Research Dissertations (*in-progress*)
- **PhD Thesis:** 3 candidates (*in-progress*)

Research Publications

International Journal Articles

Abdul Hafeez Babar, **Naeem Ahmed Mahoto**. (July 2018). Comparative Analysis of Classification Models for Healthcare Data Analysis. In International Journal of Computer and Information Technology (IJCIT), Vol. 7(4), pp. 170-175, ISSN 2279 – 0764

Qamar-un-Nisa, **Naeem Ahmed Mahoto**, Ifranullah Memon. (June 2018). Discovering Success Factors of OSS Projects. In International journal of advanced studies in Computer Science and Engineering (IJASCSE), Vol. 7(6), pp. 4-11, ISSN 2278-7917

- Samiullah Shah, Vijdan Khalique, Salahuddin Saddar, **Naeem A. Mahoto**. (October 2017). A Framework for Visual Representation of Crime Information. In Indian Journal of Science & Technology (IJST), Vol. 10(40), pp. 1-8, ISSN 0974-6846
- Mir Muhammad, Steeve Greedy, **Naeem A. Mahoto** and Mukhtiar A. Unar. (2017). Throughput Analysis of Full-Duplex Communication Cognitive Radio Network. In Wireless Personal Communications. pp. 1-15, ISSN: 0929-6212, DOI: <https://doi.org/10.1007/s11277-017-4662-9> (Impact Factor: 0.65)
- Antonelli, D., Baralis, E. M., Bruno, G., Cagliero, L., Cerquitelli, T., Chiusano, S. A., Garza, P., & **Mahoto, N. A.** (2015). MeTA: Characterization of medical treatments at different abstraction levels. In ACM Transactions on Intelligent Systems and Technology. Vol 6(4), pp-1-25. ISSN: 2157-6904 (Impact Factor: 1.252)
- Fayaz Ali, Faisal Karim Shaikh, Abdul Qadir Ansari, **Naeem Ahmed Mahoto** and Emad Felemban. (2015). Comparative Analysis of VANET Routing Protocols On Optimal Placement of Road Side Units. In Wireless Personal Communications. Vol 86(2), pp. 393-406. ISSN: 0929-6212 (Impact Factor: 0.653)
- Baralis, E., Cagliero, L., **Mahoto, N. A.**, & Fiori, A. (2013). GraphSum: discovering correlations among multiple terms for graph-based summarization. In Information Sciences. Vol 249, pp-96-109. (Impact Factor: 4.038)
- Antonelli, D., Baralis, E., Bruno, G., Cerquitelli, T., Chiusano, S., & **Mahoto, N.** (2013). Analysis of diabetic patients through their examination history. In Expert Systems with Applications. Vol 40(11), pp. 4672–4678. (Impact Factor: 2.240)
- Antonelli, D., Baralis, E., Bruno, G., Chiusano, S., **Mahoto, N.**, & Petrigini, C. (2012). Analysis of diagnostic pathways for colon cancer. In Flexible Services and Manufacturing Journal. Vol 24(4), pp. 379-399, ISSN: 1936-6582, DOI: 10.1007/s10696-011-9095-2 (Impact Factor: 1.872)

National Journal Articles

- Batool Zehra, **Naeem Ahmed Mahoto**, Vijdan Khalique. (June 2018). Estimating News Coverage Patterns using Latent Dirichlet Allocation (LDA). In Sukkur IBA Journal of Emerging Technologies (SJET), Vol. 1(1), pp. 51-56, ISSN 2616-7069
- Mohsin Ali Memon, Sania Bhatti, Shahzad Nizamani, **Naeem A. Mahoto**, Farida Memon. (July 2017). LIFEREC: A Framework for Recommending Users from Past Life Experiences. In Mehran University Research Journal of Engineering & Technology, Vol. 36(3), pp:661-672. ISSN:0254-7821 (HEC Recognised Category 'X' Journal)
- Anoud Shaikh, **Naeem A. Mahoto**, Noor-ul-Huda, M. A. Unar. (September 2016). Discovering Twitter Sentiments using Correlations among Multiple Terms. In Sindh University Research Journal (Science Series), Vol. 48(3), pp: 695-700. ISSN: 1813-1743 (HEC Recognised Category 'X' Journal)
- Mohsin Ali Memon, Sania Bhatti, **Naeem A. Mahoto**. (April 2016). A Digital Diary: Remembering the Past Using the Present Context. In Mehran University Research Journal of Engineering & Technology, Vol. 35(2), pp:275-286. ISSN:0254-7821 (HEC Recognized Category 'X' Journal)
- Naeem A. Mahoto**, Asia Memon, Mohsin Ali Memon, Mansoor Ali Teevno. (March 2016). Extraction of Web Navigation Patterns by means of Sequential Pattern Mining. In Sindh University Research Journal (Science Series), Vol. 48(1), pp: 201-208. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- Mohsin Ali Memon, **Naeem A. Mahoto**, Faheem Khuawar, Jiro Tanaka. (December 2015). Retrieval of life logs based on Users Context. In Sindh University Research Journal (Science Series), Vol. 47(4), pp: 851-860. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- Marvi Jokhio, **Naeem A. Mahoto**, Salahudin Jokhio, Shaban Jokhio. (October 2015). Detecting Tweet-based Sentiment Polarity of Plastic Surgery Treatment. In Mehran University Research Journal of Engineering & Technology, Volume 34(4), pp. 403-412. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)
- Anoud Shaikh, **Naeem A. Mahoto**, Faheem Khuawar, Mehran Memon. (September 2015). Performance Evaluation of Classification Methods for Heart Disease Dataset. In Sindh University Research Journal (Science Series), Volume 47(3), pp. 389-394. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)
- Naeem A. Mahoto**, Anoud Shaikh, Faheem Khuawar, Arsalan Aftab. (June 2015). Factors Affecting Software Quality in Legacy Software Life Cycle Models for Emerging Professionals. In Sindh University Research Journal (Science Series), Volume 47(2), pp. 313-320. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)

Naeem A. Mahoto, Anoud Shaikh, Faheem Khuawar. (December 2014). CliTA: Discovering Knowledge from Clinical Data. In Sindh University Research Journal (Science Series), Volume 46(4), pp. 539-546. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)

Faheem Khuawar, M.A. Unar, **Naeem A. Mahoto**, Shazia Abbasi. (September 2014). Blind Channel Equalization Using Elman Network. In Sindh University Research Journal (Science Series), Volume 46(3), pp. 335-344. ISSN: 1813-1743 (HEC Recognized Category 'X' Journal)

Naeem A. Mahoto, Faisal Karim Shaikh, Abdul Qadir Ansari. (January 2014). Exploitation of Clustering Techniques in Transactional Healthcare Data. In Mehran University Research Journal of Engineering & Technology Vol:33(1) pp:77-92. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)

Faisal Karim Shaikh, Abdul Qadir Ansari, **Naeem A. Mahoto**. (January 2014). Accessing Data Transfer Reliability for Duty Cycled Mobile Wireless Sensor Network. In Mehran University Research Journal of Engineering & Technology Vol:33(1) pp:93-102. ISSN: 0254-7821 (HEC Recognized Category 'X' Journal)

International Book Chapters

Hiba Shah, Areej Fatemah, **Naeem A. Mahoto**. (June 2018). Healthcare Services in Developing Countries of the South Asian Region: Present and Future Perspectives. In Design and Development of Affordable Healthcare Technologies/Arindam Bit (Ed.). IGI Global, pp-1-22. DOI: 10.4018/978-1-5225-4969-7.ch001

Areej Fatemah, **Naeem A. Mahoto** (2016). Using Big Data to Improve the Educational Infrastructure and Learning Paradigm. In: Effective Big Data Management and Opportunities for Implementation/Manoj Kumar Singh and Dileep Kumar G. IGI Global, pp-150-175. DOI: 10.4018/978-1-5225-0182-4

Naeem A. Mahoto, Faisal K. Shaikh, B S Chowdhry. (2015). Innovative Architecture to Enhance Quality of Service for Laboratory Management Information System. In: Laboratory Management Information Systems: Current Requirements and Future / Dr. Anastasios Moutzoglou, Dr. Anastasia Kastania, and Dr. Stavros Archondakis. Information Science Reference (IGI Global), pp. 242-256.

Luca Cagliero, **Naeem A. Mahoto** (2013). Visualization of high level associations from Twitter data. In: Packaging Digital Information for Enhanced Learning and Analysis: Data Visualization, Spatialization, Predictiveness, and Multidimensionality/Dr. Shalin Hai-Jew's. IGI Global, pp-160-179.

Antonelli, D., Baralis, E., Bruno, G., Chiusano, S., **Mahoto, N.**, & Petrigini, C. (2012). Extraction of medical pathways from electronic patient records. In: Medical Applications of Intelligent Data Analysis: Research Advancements / Rafael Magdalena-Benedito, Emilio Soria, Juan Guerrero Martínez, Juan Gómez-Sanchis, Antonio Jose Serrano-López. Information Science Reference (IGI Global), pp. 273-289. ISBN 9781466618039

International Conferences/Proceedings

Naeem A. Mahoto, Anoud Shaikh, Shahzad Nizamani. (2014). Association Rule Mining in Social Network Data. In International Multi Topic Conference 2013 (IMTIC '13 December 18-20), Springer CCIS series Vol: 414, pp. 149-160. ISSN 1865-0929, ISBN: 978-3-319-10987-9

Baralis E, Bruno G, Chiusano S, Domenici VC, **Mahoto NA**, Petrigini C (2010). Analysis of Medical Pathways by Means of Frequent Closed Sequences. In: Knowledge-Based and Intelligent Information and Engineering Systems (KES 2010), Springer Heidelberg, Cardiff, Wales, September 8-10, pp. 418-425. - ISSN 0302-9743, ISBN: 978-3-642-15392-1