Curriculum Vitae

MD. SHAFIUL AZAM

Associate Professor
Department of Computer Science and Engineering (CSE)
Pabna University of Science and Technology (PUST)
Pabna, Bangladesh.
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1. CAREER OBJECTIVES

Develop my career in teaching and research field where I will have the scope to utilize my potentiality, adaptability and where I will be able to enhance my knowledge.

2. AREA OF INTEREST

» Machine Learning   » Image Processing and Analysis   » Pattern Recognition

3. EDUCATION

M. Sc. 2005
Thesis Group
(Held in 2007)

» **Master of Science** from the Dept. of Computer Science and Engineering (CSE), University of Rajshahi, Bangladesh
» Master's Thesis: "Determination of the traveling speed of a selected moving object of a video using background extraction and region-based segmentation"
» Result: 1st Class with 1st position
» Medium of Instruction: English

B. Sc. 2004
(4 Year Honors)
(Held in 2006)

» **Bachelor of Science (Hon's)** from the Dept. of Computer Science and Engineering (CSE), University of Rajshahi, Bangladesh
» Result: 1st Class with 4th position
» Medium of Instruction: English

H.S.C. 2000

» **Higher Secondary Certificate** from Naogaon Govt. College, Naogaon, under the board of Rajshahi, Bangladesh.
» Group: Science
» Result: 1st Division with 76.2% marks.

S.S.C. 1998

» **Secondary School Certificate** from Abadpukur High School, Abadpukur hat, Raninagar, Naogaon, under the board of Rajshahi, Bangladesh.
» Group: Science
» Result: 1st Division with 72.3% marks.

4. PUBLICATIONS

A. JOURNAL ARTICLES (18)

2020 [18] **Md. Shafiul Azam**, Aishe Rahman, S. M. Hasan Sazzad Iqbal, and Md. Toukir Ahmed, "Prediction of Liver Diseases by Using Few Machine Learning Based Approaches". Australian Journal of Engineering and Innovative Technology (ISSN: 2663-7804 (Online) & 2663-7790 (Print)), 2(5), pp. 85-90, October 2020, DOI: https://doi.org/10.34104/ajeit.020.085090.

2020 [17] **Md. Shafiul Azam**, Umme Kulsom, S. M. Hasan Sazzad Iqbal & Md. Toukir Ahmed, "An Empirical Study of Various Machine Learning Approaches in Prediction of Chronic Kidney Disease". International Journal of Science and Business (ISSN 2520-4750 (Online) & ISSN 2521-3040 (Print)), Volume: 4, Issue: 11, Year: October 2020, Page: 101-110, DOI: https://doi.org/10.5281/zenodo.4147032.

2020 [16] **Md. Shafiul Azam**, Md. Abu Raihan and Humayan Kabir Rana, "An Experimental Study of Various Machine Learning Approaches in Heart Disease Prediction". International Journal of Computer Applications (0975 – 8887) Volume 175– No. 21, pp. 16-21, September 2020, DOI: https://doi.org/10.5120/ijca2020920741.

2020 [15] **Md. Shafiul Azam**, Md. Habibullah and Humayan Kabir Rana, "Performance Analysis of Various Machine Learning Approaches in Stroke Prediction". International Journal of Computer Applications (0975 – 8887) Volume 175- No. 21, pp. 11-15, September 2020, DOI: https://doi.org/10.5120/ijca2020920740.

2020 [14] **Md. Shafiul Azam** and Humayan Kabir Rana, "Iris Recognition using Convolutional Neural Network". International Journal of Computer Applications (online ISSN: 0975 – 8887) Volume 175- No. 12, pp. 24-28, August 2020, DOI: https://doi.org/10.5120/ijca2020920602.

2020 [13] Nitun Kumar Podder, Humayan Kabir Rana, **Md. Shafiul Azam**, Md. Shohel Rana, Mst. Rashida Akhtar, Md Rezanur Rahman, Md Habibur Rahman, Mohammad Ali Moni, "A system biological approach to investigate the genetic profiling and comorbidities of type 2 diabetes". Elsevier, Gene Reports, Volume 21, 2020, pp. 100830, DOI: https://doi.org/10.1016/j.genrep.2020.100830.

2019 [12] Humayan Kabir Rana, **Md. Shafiul Azam**, Mst. Rashida Akhtar, Julian M.W. Quinn and Mohammad Ali Moni, "A fast iris recognition system through optimum feature extraction". PeerJ Computer Science, Vol. 5, pp. e184, April, 2019, DOI:https://doi.org/10.7717/peerj-cs.184.

2018 [11] Mohammad Riyaz Hossen, **Md. Shafiul Azam** and Humayan Kabir Rana, "Performance evaluation of various DNA pattern matching algorithms using different genome datasets". Pabna University of Science and Technology Studies (ISSN 2308-6246), Volume 3, Issue 1, pp. 14-18, November 2018. DOI: https://doi.org/10.5281/zenodo.2580651.

2017 [10] Md. Aquib Mujtaba, **Md. Shafiul Azam** and Humayan Kabir Rana, "Performance Evaluation of Various Data Mining Classification Techniques that Correctly Classify Banking Transaction as Fraudulent". Gub journal of science and engineering, volume 4, issue 1, pp. 59–63, December 2017, GUBJSE: ISSN: 2409-0476. DOI: https://doi.org/10.5281/zenodo.3402222.

2017 [9] Humayan Kabir Rana, **Md. Shafiul Azam** and Mst Rashida Akhtar, "Iris Recognition System Using PCA Based on DWT". SM Journal of Biometrics & Biostatistics, vol. 2, no. 3, pp. 1015, August 2017, ISSN: 2573-5470, DOI: http://doi.org/10.5281/zenodo.2580202.

2013 [8] Md. Abdur Rahim, **Md. Shafiul Azam**, Md. Najmul Hossain and Md. Rashedul Islam, "Face Recognition using Local Binary Patterns (LBP)" Global Journal of Computer Science and Technology Graphics & Vision Volume 13 Issue 4 Version 1.0 Year 2013 Online ISSN: 0975-4172 & Print ISSN: 0975-4350, Available at: https://computerresearch.org/index.php/computer/article/view/406.

2013 [7] Md. Shariful Islam and **Md. Shafiul Azam**, "Extraction of Shape-Invariant Gait Features for Human Gait Recognition", International Journal of Advances in Computer Science and Technology (IJACST), Vol. 2, No. 12, December 2013, ISSN 2320 – 2602, Available at: http://warse.org/pdfs/2013/ijacst032122013.pdf

2013   [6]   Md. Kislu Noman, Md. Mojahidul Islam, **Md. Shafiul Azam** and Nur Hossain Khan, "Comparative study between Selection Mapping Technique (SLM) and Partial Transmission Sequence (PTS) for PAPR reduction in OFDM signals". International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 11, November 2013, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, Available at: https://www.ijarcce.com/upload/2013/november/60-O-Md_Noman_-COMPARATIVE.pdf

2013   [5]   Md. Najmul Hossain, Md. Abdur Rahim and **Md. Shafiul Azam**, "SIR-Based Power Control Algorithms in CDMA Networks". Global Journal of Computer Science and Technology; Network, Web & Security, Volume 13 Issue 10 Version 1.0 Year 2013, Online ISSN: 0975-4172 & Print ISSN: 0975-4350, Available at: https://computerresearch.org/index.php/computer/article/view/190

2013   [4]   Md. Najmul Hossain, Md. Abdur Rahim, Md. Rashedul Islam and **Md. Shafiul Azam**, "Performance Analysis of Nash and Power Balancing Algorithms for SIR-Based Power Control in CDMA Networks". International Journal of Scientific & Engineering Research(ISSN 2229-5518), Volume 4, Issue 5, May-2013(p-2121-2125), ISSN 2229-5518, Available at: https://www.ijser.org/onlineResearchPaperViewer.aspx?Performance-Analysis-of-Nash-and-Power-Balancing-Algorithms-for-SIR-Based-Power-Control-in-CDMA-Networks.pdf

2013   [3]   Md Mursalin, Md. Motaher Hossain, Md. Kislu Noman and **Md. Shafiul Azam**, "Performance Analysis among Different Classifier Including Naive Bayes, Support Vector Machine and C4.5 for Automatic Weeds Classification". Global Journal of Computer Science and Technology Graphics & Vision Volume 13 Issue 3 Version 1.0 Year 2013 Online ISSN: 0975-4172 & Print ISSN: 0975-4350, Available at: https://computerresearch.org/index.php/computer/article/view/402

2011   [2]   **Md. Shafiul Azam**, Md. Rashedul Islam, Md. Omar Faruqe "Determination of the Traveling Speed of a Moving Object of a Video Using Background Extraction and Region Based Segmentation", International Journal of Computer Science and Information Security, ISSN: 19475500, USA, IJCSIS Vol. 9 Issue. 4, 2011, S.N. 6 (pp. 35-39), Available at: https://sites.google.com/site/ijcsis/vol-9-no-4-apr-2011

2011   [1]   Md. Rashedul Islam, Md. Rofiqul Islam , Md. Shariful Alam, **Md. Shafiul Azam** "Experiences and Comparison Study of EPC & UML For Business Process & IS Modeling", International Journal of Computer Science and Information Security, ISSN: 19475500,USA, IJCSIS Vol. 9 Issue. 3, 2011 (pp. 125-133)

B.   CONFERENCE PROCEEDINGS (4)

2021   [4]   Podder, Nitun Kumar, Pintu Chandra Shill, Humayan Kabir Rana, Shudeb Babu Sen Omit, Md Mehedee Hasan Al Shahriar, and **Md Shafiul Azam.** "Genetic Effects of Covid 19 on the Development of Neurodegenerative Diseases." In 2021 5th International Conference on Electrical Information and Communication Technology (EICT), pp. 1-6. IEEE, 2021.

2020   [3]   Hossain, Md Deloar, **Md Shafiul Azam**, Md Jahan Ali, and Hakilo Sabit. "Drugs rating generation and recommendation from sentiment analysis of drug reviews using machine learning." In 2020 Emerging Technology in Computing, Communication and Electronics (ETCCE), pp. 1-6. IEEE, 2020.

2009   [2]   Saleh Ahmed, Md. Rashedul lslam, **Md. Shafiul Azam**, "Bangla Hand Written Digit Recognition Using Supervised Locally Linear Embedding Algorithm and Support Vector Machine", 12th International Conference on Computers and Information Technology, 2009. ICCIT '09. Print ISBN: 978-1-4244-6281-0, Index by IEEE Explore. Download Link: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5407269

2009   [1]   Md. Rashedul lslam, **Md. Shafiul Azam**, Saleh Ahmed "Speaker Identification System Using PCA & Eigenface", 12th International Conference on Computers and Information Technology, 2009. ICCIT '09. Print ISBN: 978-1-4244-6281-0, Index by IEEE Explore. Download Link: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5407129

5. PROFESSIONAL EXPERIENCES

Associate Professor [22-12-2020 to till now]	[4]	Department of Computer Science and Engineering (CSE) Pabna University of Science and Technology (PUST) Pabna, Bangladesh.
Assistant Professor [26-08-2012 to 21-12-2020]	[3]	Department of Computer Science and Engineering (CSE) Pabna University of Science and Technology (PUST)Pabna, Bangladesh.
Lecturer [26-08-2009 to 25-08-2012]	[2]	Department of Computer Science and Engineering (CSE) Pabna University of Science and Technology (PUST)Pabna, Bangladesh.
Lecturer [26-01-2008 to 25-08-2009]	[1]	Department of Computer Science and Engineering (CSE) Leading University, Sylhet, Bangladesh.

6. GRADUATE THESIS SUPERVISION

2022   [1]   M.Sc. (Engg.) Thesis: "Determining significant factors towards building prediction model for future Merchandising Trade in Bangladesh", Mridul Sutradhar, Roll: 17010117, Registration Number: 101658.

7. UNDERGRADUATE THESIS AND PROJECT SUPERVISION

More than 45 thesis/Projects has been supervised

8. CONDUCTED COURSES

A.   Undergraduate Level

»Digital Image Processing	»Data Communications	»Data Structure
»Digital Image Processing Lab	»Data Communications Lab	»Data Structure Lab
»Object Oriented Programming	»Programming with C	»Discrete Mathematics
»Object Oriented Programming Lab	»Programming with C Sessional	»Numerical Methods
»Computer Fundamentals	»Computer Graphics	»Numerical Methods Lab
»Computer Fundamentals Lab	»Computer Graphics Lab	»System Analysis and Design

B.   Graduate Level

»Pattern Recognition	» Machine Learning

9. LANGUAGES PROFICIENCY

Bangla	»	Native Language
English	»	Have a good command in speaking, listening, reading and writing.English was the instruction medium of B. Sc. (Hon's) & M. Sc. program.

10. Programming/Technical Skills

Programming Languages	» Python, MATLAB, C, C++, Prolog, Pascal, Java, PHP, Visual Basic, Assembly language (8085, 8086).
Operating System	» MS-DOS, Windows Family, Linux
DBMS	» MySQL, SQL Server, Oracle, MS Access
Networking	» DNS Server, Web Server, FTP Server. etc.
Application Tools	» MS Word, Excel, PowerPoint, Adobe Photoshop, Adobe Illustrator.
Scripting Language/Web Technology	» HTML, PHP, JavaScript, Macromedia Dream Weaver, etc.

11. Personal Details

Name	» Md. Shafiul Azam
Father's Name	» Md. Meser Ali Pk
Mother's Name	» Mst. Shefali Bibi
Place and Date of Birth	» Naogaon, 15th October, 1983
Marital Status	» Married
Religion	» Islam
Nationality	» Bangladeshi (By birth)
Sex	» Male
Blood Group	» O+(O Positive)
Mailing Address	» Md. Shafiul Azam Associate Professor, Dept of computer science and engineering Pabna University of Science and Technology, Pabna-6600, Bangladesh Mobile: +88 01742 777555 Email: shahincseru@gmail.com, msacse@pust.ac.bd
Permanent Address	» Vill: Narayan Para , Post: Guata , P.S: Raninagar , Dist: Naogaon, Bangladesh.

12. Referees

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I hereby certify that the above information is true and correct to the best of knowledge and belief.

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(Md. Shafiul Azam)