

Curriculum Vitae of SHAHADAT HOSSAIN

Email: shahadat.cse@diu.edu.bd

Mobile: +880-1624-823181; +880-1303-097117



1. CAREER OBJECTIVE

To involve myself in teaching and in research with a view to facilitating the next generation in a sound and healthy nature. My research interests are Machine learning, Human Behavioral Analysis, and Data Visualization.

2. TEACHING PHILOSOPHY

As an Assistant Professor in the Computer Science and Engineering (CSE) department at the University level, my teaching philosophy centers around fostering an environment that promotes growth inspires curiosity, and empowers students to become confident, adaptable, and lifelong learners. I believe that education is not merely about imparting knowledge but also about nurturing critical thinking, problem-solving skills, and a passion for continuous learning.

3. RESEARCH INTEREST

- Data Science, Big Data Analytics Capabilities, Information Visualization
- Human Behavior Analysis
- Machine Learning
- Structural Equation and Modeling

4. EDUCATION PROFILE

4.1 PhD (On going) in Computer Science and Engineering

Jahangirnagar University, Bangladesh

Supervisor: Dr. Mohammad Shorif Uddin, Professor, Dept of CSE, Jahangirnagar University, Vice Chancellor, Green University

4.2 Diploma in Outcome-based Education and Academic Quality Assurance from Alison Academy [2025]

4.3 Master of Computer Science (Specialization: Information and Database Management Systems)

American International University- Bangladesh (AIUB)

Thesis: “An Analytical Study on Consumers’ Behaviors in Facebook Groups and Pages”

Thesis Supervisor: Md. Manzurul Hasan, Assistant Professor, Dept. of CS, AIUB

CGPA: 3.83/4.00 (Academic Honor Award-Cum Laude Distinction)

Year: 2020

4.4 Bachelor in Computer Science

American International University- Bangladesh (AIUB)

Thesis: “Finding Classes from Given Topics or Scenarios using NLP tools”

Thesis Supervisor: Md. Sabbir Ahamed, Assistant Professor, Dept. of CS, AIUB

CGPA: 3.56/4.00

Year: 2018

4.5 Higher Secondary Certificate: Science

Saint Joseph Higher Secondary School

Dhaka, Bangladesh

GPA: 5.00/5.00

Year: 2012

4.6 Secondary School Certificate: Science

Govt Science College Attached High School

Dhaka, Bangladesh

GPA: 5.00/5.00

Year: 2010

5. MENTIONABLE PUBLICATION LIST

5.1 Conference Proceedings

- 5.1.1 **Shahadat Hossain**, Md. Manzurul Hasan and Tanvir Hossain. An Analytical Study of Influencing Factors on Consumer Behaviors in Facebook using ANN and RF. In Proceedings of the 3rd International Conference on Intelligent Computing & Optimization (ICO'2020), Part of the **Advances in Intelligent Systems and Computing book series** (AISC, volume 1324), pp. 744-753, **Springer, Cham, Springer Nature Switzerland AG 2020**. https://doi.org/10.1007/978-3-030-68154-8_64. [Thailand, 2020, Scopus]
- 5.1.2 Md. Mahmudur Rahman, **Shahadat Hossain**, Mimun Barid, and Md. Manzurul Hasan. Inductions of Usernames' Strengths in Reducing Invasions on Social Networking Sites (SNSs). In: Vasant P., Zelinka I., Weber GW. (eds) Intelligent Computing & Optimization. ICO 2021. **Lecture Notes in Networks and Systems**, vol 371. **Springer, Cham**. https://doi.org/10.1007/978-3-030-93247-3_32. [Thailand, 2021, Scopus]
- 5.1.3 **Shahadat Hossain**, Md. Mahmudur Rahman, Mimun Barid, and Md. Manzurul Hasan. (2022) Factors Behind the World Crime Index: Some Parametric Observations Using DBSCAN and Linear Regression. In: Vasant P., Zelinka I., Weber GW. (eds) Intelligent Computing & Optimization. ICO 2021. **Lecture Notes in Networks and Systems**, vol 371. **Springer, Cham**. https://doi.org/10.1007/978-3-030-93247-3_69. [Thailand, 2022, Scopus]
- 5.1.4 **Shahadat Hossain**, Mimun Barid, and Md Manzurul Hasan. (2022). A Heuristic Approach for Analyzing Some Reading Behaviors of Online News Viewers Using RF and KNN. In: Kaiser, M.S., Bandyopadhyay, A., Ray, K., Singh, R., Nagar, V. (eds) Proceedings of Trends in Electronics and Health Informatics. **Lecture Notes in Networks and Systems**, vol 376. **Springer**, Singapore. https://doi.org/10.1007/978-981-16-8826-3_1 [Thailand, 2022, Scopus]
- 5.1.5 Mimun Barid, **Shahadat Hossain**, Md. Mahmudur Rahman, and Md. Manzurul Hasan, "Sentiment Analysis applying the Big 5 and Polarity on the ICC's Top ODI All-Rounders based on Twitter," 2021 24th **International Conference on Computer and Information Technology (ICCIT)**, 2021, pp. 1-5, doi: 10.1109/ICCIT54785.2021.9689797. [Bangladesh, 2022]
- 5.1.6 Shapla Akter, Md. Jamil Hossain, **Shahadat Hossain**, Joyanta Ghosh, Md. Omar Faruq Dehan, and Md. Manzurul Hasan. (2022). Is RDBMS or NoSQL Better Suited for MIS?: A Comparative Analysis. In: Vasant, P., Weber, GW., Marmolejo-Saucedo, J.A., Munapo, E., Thomas, J.J. (eds) Intelligent Computing & Optimization. ICO 2022. **Lecture Notes in Networks and Systems**, vol 569. **Springer, Cham**. https://doi.org/10.1007/978-3-031-19958-5_106. [Thailand, 2022, Scopus]
- 5.1.7 Mrinmoy Karmokar, Heerok Mutsuddy, **Shahadat Hossain** and Md. Manzurul Hasan. Karmokar, (2022). An Implementation of Basic Ant-Colony Optimization Based Routing in Wireless Sensor Networks. In: Vasant, P., Weber, GW., Marmolejo-Saucedo, J.A., Munapo, E., Thomas, J.J. (eds) Intelligent Computing & Optimization. ICO 2022. **Lecture Notes in Networks and Systems**, vol 569. **Springer, Cham**. https://doi.org/10.1007/978-3-031-19958-5_11. [Thailand, 2022, Scopus]
- 5.1.8 Nusrat Songita Khan, Fahad Molla, Rubayat Shusmita Khan, Enamul Haque Shamim, **Shahadat Hossain**, and Md. Manzurul. Khan (2022). Exploration of Online Fake News Through Machine

- Learning and Sentiment Analyses. In: Vasant, P., Weber, G.W., Marmolejo-Saucedo, J.A., Munapo, E., Thomas, J.J. (eds) Intelligent Computing & Optimization. ICO 2022. Lecture Notes in Networks and Systems, vol 569. **Springer, Cham**. https://doi.org/10.1007/978-3-031-19958-5_41. [**Thailand, 2022, Scopus**]
- 5.1.9 Israt Zarin, Onisha Akter, Kazi Sazzad Hosen, Ahsan Ul Islam and **Shahadat Hossain**. SWINC: Secured Wireless Intelligent Network Using Cryptography. In: Vasant, P., Weber, G.W., Marmolejo-Saucedo, J.A., Munapo, E., Thomas, J.J. (eds) Intelligent Computing & Optimization. ICO 2022. Lecture Notes in Networks and Systems, vol 569. **Springer, Cham**. https://doi.org/10.1007/978-3-031-19958-5_15. [**Thailand, 2022, Scopus**]
- 5.1.10 Fardin Ahmed Niloy, Nozib Ud Dowla, Md. Samiul Alam, Jobair Hossain, Fahim Muntasir, **Shahadat Hossain**, and Md. Manzurul Hasan. LANDCHAIN: A Blockchain-Based Lightweight Land Administration System for Bangladesh. In: Hossain, S., Hossain, M.S., Kaiser, M.S., Majumder, S.P., Ray, K. (eds) Proceedings of International Conference on Fourth Industrial Revolution and Beyond 2021 . Lecture Notes in Networks and Systems, vol 437. **Springer, Singapore**. https://doi.org/10.1007/978-981-19-2445-3_23. [**Bangladesh, 2021, Scopus**]
- 5.1.11 **Shahadat Hossain**, Md. Manzurul Hasan, and Tanzila Mehenaz. 2022. Ramifications of Corruption Perception Index: An Exploratory Data Analyses using DBSCAN. In Proceedings of the 2nd International Conference on Computing Advancements (**ICCA '22**). Association for Computing Machinery, New York, NY, USA, 6–10, **ACMDL**. <https://doi.org/10.1145/3542954.3542956> [**Bangladesh, 2022, Scopus**]
- 5.1.12 **Shahadat Hossain**, Tanzila Mehnaz, Fahim Shahriar, Md. Al-Mamun Riyadh and Md. Manzurul Hasan. Training Tracker: A Training Management System. In: Vasant, P., Weber, G.W., Marmolejo-Saucedo, J.A., Munapo, E., Thomas, J.J. (eds) Intelligent Computing & Optimization. ICO 2022. Lecture Notes in Networks and Systems, vol 569. **Springer, Cham**. https://doi.org/10.1007/978-3-031-19958-5_103. [**Thailand, 2022, Scopus**]
- 5.1.13 **Shahadat Hossain**, Md Manzurul Hasan, and Tanvir Hossain. An Empirical Study on Dimensionality Reduction Approach for F-Commerce Dataset by Principal Component Analysis. Presented in BIM2021 and to appear in Proceedings of the **BIM 2021, Taylor & Francis Book Chapter: Applied Informatics for Industry 4.0**, 11. [**Bangladesh, 2021**]
- 5.1.14 Nahid Hasan, Tanzila Hasan, **Shahadat Hossain**, Md. Manzurul Hasan. False Smut Disease Detection in Paddy Using Convolutional Neural Network. In: Satu, M.S., Moni, M.A., Kaiser, M.S., Arefin, M.S. (eds) Machine Intelligence and Emerging Technologies. MIET 2022. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 490. **Springer, Cham**. https://doi.org/10.1007/978-3-031-34619-4_2 [**Bangladesh, 2022, Scopus**]
- 5.1.15 Rafeed Mohammad, Md. Mir Hossain, **Shahadat Hossain**, Md Manzurul Hasan, and Tanvir Hossain. Negative Sentence Detection through AI Bangla Voice Assistant by DNN using Bag-of-Words. In Proceedings of the **BIM 2021**, Local Archive with an ISSN number without any copyright. [**Bangladesh, 2021**]
- 5.1.16 Kazi Sazzad Hosen, Md. Raihan Mahmud, **Shahadat Hossain**, and Md. Manzurul Hasan. Undulations at Different Sectors in Dhaka Stock Exchange during COVID-19 Based on Data Analyses in Proceedings of the **AICBM2021**. [**Bangladesh, 2021**]
- 5.1.17 Md. Manzurul Hasan, Shaulin Ali, Faisal Wazed Mahmood, **Shahadat Hossain**, Md Mahmudur Rahman, and Mimun Barid. Some Observations on Big Data Concerning Storage and Security Management in the 6th International Conference on Electronic Design (ICED 2022). Proceedings of this conference will be published by AIP Scopus index proceeding. [**Malaysia, 2021**]
- 5.1.18 D. Sarker, D. Gomes, **S. Hossain** and M. M. Hasan, "An Efficient Integrated Negative Fractional Counting Sort Algorithm," 2024 IEEE International Conference on Computing, Applications and Systems (COMPAS), Cox's Bazar, Bangladesh, 2024, pp. 1-6, doi: 10.1109/COMPAS60761.2024.10796657.

- 5.1.19 Dr. Md. Manzurul Hasan, Md Shariful Alam, **Shahadat Hossain**, and Dipta Gomes. 2025. Fair Use Policies of Digital Contents: Some Observations and Recommendations. In Proceedings of the 3rd International Conference on Computing Advancements (ICCA '24). Association for Computing Machinery, New York, NY, USA, 192–199. <https://doi.org/10.1145/3723178.3723204>

5.2 Journal and Book Chapter

- 5.2.1 **Shahadat Hossain**, Md. Manzurul Hasan, Gahangir Hossain, Hanan Alasmari (2026). Analyzing Consumer Behavior in the Context of Online Social Media Marketing. Journal website: <http://ijmada.com> ISSN, 2816, 9395.
- 5.2.2 Md Manzurul Hasan, **Shahadat Hossain**, Prioty Saha Trisha, Md Mohsin Hossain, Abu Saleh Mohammad Rajuwan, Md Hasibur Rahman. Contemporary Security Threats: Some Proposals for Banking Networks in Bangladesh in *Post-Pandemic Talent Management Models in Knowledge Organizations: Post-Pandemic Paradigm*, Publisher: **IGI Global**. DOI: 10.4018/978-1-6684-3894-7 [Hershey, Pennsylvania, USA, 2021]
- 5.2.3 **Shahadat Hossain**, Lamiya Rahman, Rafat Azad, Mehnaj Jebin, Md. Siam Mahmud, Md Sadman Sakib, and Md Manzurul Hasan. Penetration Testing and Cyber Security Studies in Bangladesh: Post-COVID-19 Managerial Issues in *Post-Pandemic Talent Management Models in Knowledge Organizations: Post-Pandemic Paradigm*, Publisher: **IGI Global**. DOI: 10.4018/978-1-6684-3894-7 [Hershey, Pennsylvania, USA, 2021]
- 5.2.4 Faisal, Fahim, **Hossain, Shahadat**, Nusrat, Mary, Hasan, Md. Manzurul, Boyalla, Maheshwar Reddy, Mollah, Abdus Salim, & Hossain, Gahangir. (2026). AI-driven personalized music therapy via hybrid recommender systems. International Journal of Computer Applications, 187(95). Foundation of Computer Science (FCS). [2026]

5.3 Talks and Presentation

- 5.3.1 A talk had been presented on “An Analytical Study of Influencing Factors on Consumers' Behaviors in Facebook using ANN and RF (Extended Abstract)” at **IEEE CSBDC Summer Symposium 2021, IEEE Computer Society Bangladesh Chapter**, 4-5 June., 2021 [Bangladesh, 2021]

6. EXPERIENCES

Designation	Institution	From	To
Assistant Professor, Dept of CSE	Daffodil International University	August 2024	till now
Senior Lecturer, Dept of CSE	Daffodil International University	January 2023	July 2024
Lecturer, Dept. of CSE:	City University, Bangladesh	December 2019	December 2022
Lecturer & Dept. Coordinator, Dept of CSE:	University of South Asia, Bangladesh	September 2018	December 2019
Software Engineer (Intern):	iXora Solution Ltd.	November 2017	February 2018
Web developer (Part-Time)	Vencerlab	August 2016	August 2017
Gentleman Cadet:	74BMA Long course (Withdrawn for physical unfitness), Bangladesh Military Academy, Chittagong.	June 2014	September 2015

7. ADDITIONAL RESPONSIBILITIES

- Member- **Complex Engineering Problem Monitoring Committee**
- Co- Convener - **OBE and Accreditation Committee**
- Member- **Project Committee [Fall2023 to Fall 2026], Department of CSE, Daffodil International University**
- Member- **Department wise Center of Excellence, Department of CSE, Daffodil International University**

8. EXTRA-ORDINARY ACHIEVEMENTS

- Authored Book **“Teaching with Outcome: A Faculty Guide to OBE”**
- **Conducted Session on “Teaching with AI and Outcomes”**
- **Google Professional Certificate on Data Analytics** (completed 8 courses in Coursera through Common-Wealth Scholarship).
- Professional Certification in **Digital Marketing by Google Digital Garage.**
- **ICO-2022 Excellent Contributor Award**, awarded by the International Conference on Intelligent Computing and Optimization 2022.
- **Academic Honor Award-Cum Laude** Distinction in MSc in Computer Science from AIUB.

9. SKILLS

- Reviewer in the Seventh International Conference on Economic and Business Management (FEBM2022).
- Latex, Paper Writing
- Data Visualization and Analysis, Integrating AI in Teaching
- Programming (Java, Python, PHP, HTML, CSS, javascript, some frameworks like MVC)
- Management skills (vice president of Josephite Debating Club and arranged JDC Debate Festivals 2012)

10. EXTRA-CURRICULAR ACTIVITIES

- Debating
- Former-Member, AIUB Arts Club, AIUB
- Photography

11. PROFESSIONAL DEVELOPMENT

- **Seminar on** “Career in IT Sectors”, University of South Asia
- Outcome-Based Curriculum Development, **IQAC** - University of South Asia
- Outcome-Based Education Development, **IQAC**- City University
- **CISCO IT Essentials** v 4.0, American International University – Bangladesh
- **CCNA: 75 Hours Course**, Linux Pathshala.

DISCLAIMER

I hereby declare that all the statements in this resume are authentic, complete, and correct.

SHAHADAT HOSSAIN