

Raihan Uddin Ahmed

1316 Plaza Ave SW Atlanta, GA 30310

ruabng2008@gmail.com

+1(470)424-2609

<https://www.linkedin.com/in/raihan-ahmed-1b332017/>

As of February 28, 2024

Education

Degree	Institute	Year	CGPA
M.Sc. (Applied Computer Science)	University of West Georgia	2006	3.50
B.Sc. (Computer Science – cum laude)	University of West Georgia	2001	3.53

Training Received

Pedagogy Training, Institute of Faculty Excellence (UWG)	2022-23
Workshop on Research Methodology	2019
2-day long training on Linux administration	2015
3-day long training on embedded systems	2013
Day long training on degree accreditation process (BAETE)	2012

Teaching Experience**Senior Lecturer** (August, 2022 – present)**Computer Science, University of West Georgia (UWG) - Georgia, USA**

Teach/taught Systems Programming, Database Systems, User-Centric Computing, Programming in Java, Systems Architecture, Mobile Application Development.

Designed (content, schedule, methods) the following courses: User-Centric Computing, Mobile Application Development, Advanced Database Systems**Redesigned** (content, schedule, methods) the following courses: Systems Programming, Introduction to Databases**Assistant Professor** (Sept, 2019 – Dec, 2021)**Computer Science & Engineering, American International University - Bangladesh, Bangladesh**

Besides teaching courses and supervising final year projects and theses, performed academic and career counseling for students

Assistant Professor (Jan, 2017 – Sept, 2019)**Computer Science & Engineering, International University of Scholars, Bangladesh**

Revised curriculum to get approval from appropriate authority, worked actively with teachers and students to create a friendly and productive academic environment.

Assistant Professor (Nov, 2011 – Dec, 2016)**Computer Science & Engineering, University of Information Technology & Science, Bangladesh**

Besides teaching, actively worked as a student adviser, supervised projects and theses, assisted in curriculum revision for both undergraduate and graduate programs.

Graduate/Teaching Assistant (Jan, 2003 - Dec, 2003)

Department of Computer Science, State University of West Georgia, Carrollton, Georgia, USA

Duties: Tutored students in Java programming, help instructor during class lectures, grade exams. Designed two introductory courses (**Introduction to Computing I and II**) for the Master's program

Courses Taught

Systems Programming, User-Centric Computing, Mobile Development, Introduction to Computer Systems, Introduction to Programming with C++, Object Oriented Programming with Java, Object Oriented Programming with C#, Software Engineering, Software Testing & Quality Assurance, Web Technology, Database Management Systems, Computer Networks, Client Server Programming, Computer Organization & Architecture, Technical Writing

Presentations/Panel Discussions

University of West Georgia: Panelist In the CACSI CHAT GPT Panel, Innovations in Pedagogy Conference 2023. Presented on ChatGPT and its impacts on technical education and knowledge creation.

Other Institutions (Bangladesh):

- A panelist in a television show to discuss the prospects of native technology.
- Appeared in radio shows as a guest to discuss teacher-student relations.
- Appeared in television interviews on technology related laws passed by the government.

Committees Served

University of West Georgia: Undergraduate Curriculum Committee, Scholarship Awardee Selection Committee, Academic Honesty & Generative AI Guidance Committee

Other Institutions: Academic Council, Curriculum Committee, Quality Assurance Cell

Administrative Experience

Department Chair (Jan, 2017 – Sept, 2019)

Computer Science & Engineering, International University of Scholars, Bangladesh

Activities: Regular managerial activities, formalizing different processes and procedures for the department, curriculum approval by University Grant Commission, worked with people of all levels to smoothly operate the department.

Department Chair (Jan, 2015 – Dec, 2016)

Computer Science & Engineering, University of Information Technology & Science, Bangladesh

Activities: Regular managerial activities, curriculum revision and approval, administration of admission tests, management of scholarship application processes

Publications (Journals and conferences)

[1] Md. Asif Nawaz, Abdullah Esha, Ahad Ahamed, **Raihan Uddin Ahmed**, "Assisting the Power Generation Sector Toward Sustainability - an IoT Based System for Power Theft Detection with Theft Location Identification", Proceedings of the 2nd International Conference on Computing Advancements (ICCA March, 2022), Pages 309–315 [DOI: 10.1145/3542954.3542999]

[2] **Raihan Uddin Ahmed**, Tanvir Ahmed Chowdhury, A.S.M Mahmudul Hasan, "New Algorithm For Detection Of Spinal Cord Tumor Using OpenCV", Global Journal of Computer Science and Technology (GJCST) Volume 19 Issue 1 Version 1.0

[3] **Raihan Uddin Ahmed**, A. S. M Mahmudul Hasan, "Jonaki - an mLearning Tool to Reduce Illiteracy in Bangladesh", International Journal of Computer Applications (IJCA). Volume 128 – No.17, October 2015 [DOI: 10.5120/ijca2015906761]

[4] Duane Yoder, **Raihan Uddin Ahmed**, Munsif Barkatullah and Mahmudul Hasan, "A Zigzag Approach to Cascading Menu", Journal of Computer Sciences and Applications. Vol. 3, No. 4, 2015, pp 94-99. <http://pubs.sciepub.com/jcsa/3/4/2s>

[5] Zahid Ahmed, Sabina Yesmin, M.N. Islam and **Raihan Uddin Ahmed**, "Image Processing Based Feature Extraction of Bangladeshi Banknotes", IEEE 8th International Conference on Software, Knowledge, Information Management & Applications (SKIMA 2014) [DOI 10.1109/SKIMA.2014.7083521]

[6] **Raihan Uddin Ahmed** and Ananda Ghosh, "Automated Examination System for Government Job Seekers in Bangladesh", International Conference on Engineering Research, Innovation and Education (ICERIE), 2013, p. 371-376

[7] **Raihan Uddin Ahmed** and Jamal Uddin Ahmed, "A Workflow Based Application Processing System to Reduce Corruption and Public Sufferings In Bangladesh", International Conference on Engineering Research, Innovation and Education (ICERIE), 2013, p. 377-382

[8] **Raihan U. Ahmed**, Md. Minhazul Alam, Rakibul Alam, Obaydullah A. Mamun, Sohel, "Architecture of a Software Based Voting Management System for Bangladesh", 1st National Conference on Intelligent Computing and Information Technology (NCICIT), 2013. Accessible at <http://103.99.128.10:8080/jspui/handle/123456789/183>

Current Research

[1] Augmented Reality in Action – Giving High School Students an Early Start with Tertiary Education

[2] Bangla/Bengali Named Language Entity recognition

[3] Bangla/Bengali sign language

Industry Experience (Independent Consulting and Full Time)

Chief Technical Consultant (Jan, 2019 – Dec, 2021)

Organization: Deinsquare UG (haftungsbeschränkt), Germany

Duties: Provided guidelines, architecture and design for web based job site. Supervised a distributed team to get project from inception to completion.

Chief Technical Consultant (June, 2014 – Dec, 2017)

Organization: Make It Possible, Bangladesh

Duties: Provided guidelines, architecture and design for web based and desktop software for schools and businesses that integrate with card reader machines. Actively took part in development using C#, PHP, Yii framework and MySQL.

Consultant (Feb, 2011 – Dec, 2011)

Organization: Eagle Advantage Solutions, Biometrics Division, Carrollton, Georgia, USA

Duties: Remotely worked to help develop desktop and web applications for law enforcement agencies. Used J2EE, Net/C#, Oracle

Senior Software Architect/Team Leader (July, 2006 – Feb, 2011)

Organization: L1 Identity Solutions, Biometrics Division, Carrollton, Georgia, USA Duration:

Duties: Worked as the Team leader of the development team to create small to large size applications for law enforcement agencies. Mentored team members, managed projects to completion. Worked with Java, C# and Oracle.

Senior Documentum Consultant (April, 2005 – July, 2006)

Organization: CCCI, Atlanta, Georgia, USA

Duties: Developed Documentum based solution to keep confidential records of Georgia Power (Southern Company). Used Java and Oracle.

<p>Programmer Analyst (Jan, 2005, Apr, 2005) Organization: Capricorn Systems, Tucker, Georgia, USA Duties: Worked with utility (power) management software system built on JavaScript and HTML.</p>	
<p>Application Developer (Apr, 2002 – Nov, 2004) Organization: SM Halstead Consulting, Carrollton, Georgia, USA Duties: Develop utilities for accounting systems, developed EDI software with Java, Visual Basic 6.0 and MySQL.</p>	
<p>Database Programmer/Line Operator (November, 1998 – April, 2002) Organization: King Packaging Company, Carrollton, Georgia, USA Duration: Duties: Developed production tracking software with Access and VBA, Operated packaging lines.</p>	
References	
<p>Muammad A. Rahman, Ph.D. Professor Department of Computer Science & IT Clayton State University, Morrow, GA Phone: (678)466-4446 (Office) Email: mrahman@clayton.edu</p> <p>Prof. DR. DIP NANDI Professor & Director Computer Science American International University-Bangladesh Cell: +8801755619344 Email: dip.nandi@aiub.edu</p> <p>DR MD MAMUNUR RASHID Vice-Chancellor and Dean of Engineering and Natural Science Faculty University of Scholars Cell: +88001819195251 Email: mmrashid@ius.edu.bd</p>	<p>Cathy Guillebeau Former Engineering Manager L1 Identity Solutions Cell: (404) 242-5105 Email: cguillebeau@gmail.com</p> <p>Md Riazul Islam Managind Director Deinsquare UG (haftungsbeschränkt) Cell: +4917676984460 Email: mr.islam@deinsquare.com</p> <p>Abdul Motaleb Monitoring Learning and Evaluation Associate Chemonics International, USA Former Director Make It Possible (Now defunct), Bangladesh Cell: +8801780183738 Email: lifon.info@gmail.com</p>