

Md. Abul Kalam Azad

Curriculum Vitae

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Research Interests

Computer Vision/Graphics, Applied algorithm/reseource optimization, Machine Learning

Current Affiliation

Mar2014–
present **Lecturer**, *Begum Rokeya University*, Rangpur, Bangladesh.
Department of Computer Science and Engineering
Faculty of Engineering and Technology

Education

- 2012 **M.Sc. in Computer Science and Engineering**, *University of Rajshahi*, Rajshahi, Bangladesh.
CGPA: 3.91 on a scale of 4.0 (First Class)
Adviser: Dr. Shamim Ahmad, Co-Adviser: Dr. Ning Xie
Thesis: Guiding-line Extraction from Real Photo for Painterly Rendering
◦ Ranked **second** among all Masters students of Computer Science & Engineering Department in 2012.
- 2010 **B.Sc. in Computer Science and Engineering**, *University of Rajshahi*, Rajshahi, Bangladesh.
CGPA: 3.80 on a scale of 4.0 (First Class)
◦ Ranked **second** among all students of Computer Science & Engineering Department in 2010.
◦ Featured in several national daily newspapers in Bangladesh for final year project work.

Experience

- Mar2014–
present **Lecturer**, *Begum Rokeya University*, Rangpur, Bangladesh.
Department of Computer Science and Engineering
- Teaching undergraduate major courses on Programming Language in C/C++, Data Structure, Algorithm Design and Analysis, Discrete Mathematics.
 - Responsibilities require full development of the courses: developing the course outline and objectives, selecting specific material to cover, selecting required texts, writing and presenting lectures, writing and administering exams and quizzes, development and grading of written and oral class projects, conducting related laboratory classes.
 - Actively serving in several university-wide and departmental committees with various capacities
 - *Deputy Sub-project Manager*, Bangladesh Research and Education Network (BdREN)
 - Working with team members/engineers to design and implement campus-wide network at Begum Rokeya University Campus (2014-present)
 - *Additional Director*, Institutional Quality Assurance Cell (IQAC), (2016-present)
Begum Rokeya University (BRU)
 - Assisting the director of IQAC at BRU
 - Involved in writing and completing a project to established 4 world-class laboratories in the department
- Mar2014–
present **Coach**, *Begum Rokeya University (BRU)*, Rangpur.
Coaching BRU ACM/ICPC programming team which won divisional champion award at ACM/ICPC Asia Regional 2016, Dhaka site and CUET NCPC 2017, NGPC 2018 6th & divisional champion

- Mar2014–present **Problem Setter and Judge**, *Problem Setter and Judge of Begum Rokeya University's Local Weekly ACM Programming Contests.*
- Sep2012–Mar2014 **Lecturer**, *Z.H. Sikder University of Science and Technology*, Shariatpur, Bangladesh.
Department of Computer Science and Engineering
- Taught undergraduate course on Programming Language in C/C++ including full development of the course materials, conducted related laboratory classes.
- Researcher**, *on different projects.*
- Collaborated with a researcher at The City University of Hong Kong in the research project titled as "Smart health: Big data enabled health paradigm within smart cities." (Oct 2016–Jun 2017)
 - Working with students in the following research projects:
 - Sentiment Analysis for Bengali Sentences using Convolutional Neural Network (Paper Submitted)
 - Extracting and Analysing Crime Information from Online Newspaper Articles (Ongoing)
 - Worked individually in the M.Sc. thesis titled as "Guiding-line Extraction from Real Photo for Painterly Rendering", under the supervision of Dr. Shamim Ahmad and Dr. Ning Xie (Nov 2011–Dec 2012)

Publication

- Conference Paper **Azad, M. A. K.**, Xie, N. and Ahmad, S. , "Bangladeshi style: A way of facial artistic stylization in visual effects", *16th International Conference on Computer and Information Technology (ICCIT 2013)*
- Alam, M. H. , Rahoman, M. M. and **Azad, M. A. K.**, "Sentiment Analysis for Bengali Sentences using Convolutional Neural Network", *20th International Conference on Computer and Information Technology (ICCIT 2017)*
- Referred Journal Pramanik, M. I., Lau, R. Y., Demirkan, H., and **Azad, M. A. K.**, "Smart health: Big data enabled health paradigm within smart cities." *Expert Systems with Applications 87 (2017): 370-383 (Elsevier/ESWA)*
- Conference Poster **Azad, M. A. K.**, Xie, N., Ahmad, S. and Nakajima, M., "Bangladeshi Facial Artistic Stylization", *13th Annual International Conference "NICOGRAPH International 2014" in Gotland, Sweden (nicoint2014)*

Awards and Honors

- 2014 **University Grants Commission of Bangladesh Research Fellowship**, *fellowship for the academic year of 2014-2015.*
- 2010 **Divisional Champion Award**, *Asia Regional 2010 ACM International Collegiate Programming Contest along with the 'RU_Scrap' team members, 100 teams participated from Bangladesh and China, Dhaka Site*
- 2010 **Gold Medal**, *awarded by Sayed Ameer Ali Hall, University of Rajshahi for excellent academic results in B.Sc.*
- 2010 **12th Team Rank**, *Inter-University Programming Contest (2010), HSTU along with the 'RU_bits' team members, around 75 teams participated*
- 2008 **9th Team Rank**, *National Collegiate Programming Contest, BUET (2008) along with the 'RU_Kernel' team members, 85 teams participated from Bangladesh*
- 2007 **Honorable Mention**, *Asia Regional ACM International Collegiate Programming Contest (2007), Dhaka Site*
- 2007–2009 **University Merit Scholarship**, *for excellent academic results*
- 2000–2006 **Education Board Merit Scholarship**, *grade 12, grade 10, grade 8, grade 5*

Workshops/trainings Attended

- Mar 2016 **Quality Assurance in Higher Education Training Program in Malaysia**, *Organised by*, Edu Leads Consulting, Kuala Lumpur, Malaysia.
- Oct 2015 **Designing Basic Campus Network**, *Organised by*, Bangladesh Research and Education Network (BdREN), Dhaka, Bangladesh.

Languages

Bengali (Native) | English (Fluent) *TOEFL iBT Score: 88*

Computer skills

Programming Language	C/C++, Java, Python	Type Setting	\LaTeX , Microsoft Office
Familiar With	C#, MATLAB	Operating System	Linux (Ubuntu), Mac OS X, Microsoft Windows, Android, iOS
Web Programming	HTML, PHP, JavaScript	Mobile Programming	Android
IDE	IntelliJ Idea, Eclipse, Microsoft Visual Studio		

Interests

- Actively involved in *sports programming*. Coordinated National High School Programming Contests/Workshops at BRU Site as a community outreach program.
- Other interests include- painting, playing soccer, table-tennis, travelling, photography, reading, community services.

References

Dr. Shamim Ahmad (email: shamim_cst@yahoo.com, mobile: +880-171-3140107)

- Professor, Department of Computer Science & Engineering, University of Rajshahi
- R#201, Faculty of Engineering, University of Rajshahi, Rajshahi, Bangladesh
- *He's my MSc thesis advisor*

Dr. Ning XIE (email: ningxie@tongji.edu.cn , phone: +86-021-6958-5491)

- Assistant Professor, School of Software Engineering, Tongji University
- Jishi Building, Room 314, Caoan Highway 4800, Shanghai, 201804, China.
- *He's my MSc thesis co-advisor*