

Curriculum Vitae

of

Md. Geaur Rahman



Assistant Professor
Department of Computer Science and Mathematics
Faculty of Agricultural Engineering and Technology
Bangladesh Agricultural University, Mymensingh-2202,
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Summary of Qualifications	
Feature	Description
Research Interest	Data Mining, Database Programming, Web Programming, Computer Programming, Neural Networks, Computer Vision
Experience	<p>FIVE years experience in Teaching and Research in the application of computation in agricultural production</p> <p>At present, I am co-supervising in a research entitled "Developing a gene bank for rice using artificial neural network from classified gene sequence" for the MS student of my department. Moreover, I was the co-supervisor of a research entitled "Identification of rice diseases using artificial neural network" in the year 2007.</p>
Ongoing Projects	<p>At present, I am conducting two projects entitled "Developing a traceability system on shrimp sector in Bangladesh" and "Developing a system to determine the amount of fertilizer from rice leaf color using artificial neural network" financed by the United Nations Industrial Development Organization (UNIDO) and Ministry of Science and Information & Communication Technology (MOSICT), Bangladesh respectively.</p>
Education with Result	<p>Secured First Class (ranked 1st among the graduating students) in the Master of Science (M.Sc.) in Computer Science and Engineering</p> <p>Obtained First Class (ranked 1st among the entire class) in the 4 Years Bachelor of Science (B.Sc.) Honours in Computer Science and Technology and was awarded Gold medal for securing highest mark among the students of the entire science faculty in the undergraduate studies, 2001, University of Rajshahi, Bangladesh</p> <p>Secured First division both in Secondary School Certificate (S.S.C.) and Higher Secondary School Certificate (H.S.C.)</p>
Publication	Total 14 papers were published in various national and international peer reviewed journals and proceedings
Language Proficiency	Bengali (Native), English (Fluent). The medium of instruction both in B.Sc. (Hons) and M.Sc. was English. Overall IELTS score 6.0. Test dated: December 5, 2009

MD GEUR RAHMAN

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OBJECTIVE

To be a highly qualified researcher in the field of applications of computation in data mining by using my strong academic and working background and to avail a suitable PhD scholarship for advanced research and training preferably in some reputed university abroad in favour of this.

RESEARCH INTEREST

Data Mining, Database Programming, Web Programming, Computer Programming, Neural Networks, Computer Vision

ONGOING PROJECTS

At present, I am conducting two projects entitled "Developing a traceability system on shrimp sector in Bangladesh" and "Developing a system to determine the amount of fertilizer from rice leaf color using artificial neural network" financed by the United Nations Industrial Development Organization (UNIDO) and Ministry of Science and Information & Communication Technology (MOSICT), Bangladesh respectively.

PERSONAL DETAILS

Title	: Mr.	Name in Full	: Md. Geur Rahman
Father's Name	: A.K.M. Asadul Haque	Mother's Name	: Mst. Rabeya Begum
Date of birth	: January 01, 1979	Age on June, 2010	: 31 years and 6 months
Marital Status	: Married	Nationality	: Bangladeshi
Languages	: Bengali (Native), English (Fluent)		
URL	: http://www.bau.edu.bd/gea		

EDUCATIONAL QUALIFICATION (MOST RECENTLY FIRST)

Degree Obtained	Major/Group	Board / University	Duration	Class / Division	Year of Passing
Master of Science (M.Sc.)	Computer Science and Engineering	University of Rajshahi	1 year	First Class	2002 (held in 2004)
Bachelor of Science (Honours)	Computer Science and Technology	University of Rajshahi	4 Years	First Class	2001 (held in 2002)
H.S.C.	Science	Dhaka Board	2 Years	First Division	1996
S.S.C.	Science	Dhaka Board	2+8 Years	First Division	1994

- Ranked **First** among the total 21 students appeared in the M.Sc. Examination of 2002
- Ranked **First** among the total 26 students appeared in the B.Sc. (Hons) Examination of 2001
- **Gold medal** awarded for securing highest mark among the students of the entire science faculty in the undergraduate studies, 2001, University of Rajshahi

ACADEMIC AND WORKING EXPERIENCE

- **Since April 2007** working as an **Assistant Professor** in the Department of Computer Science and Mathematics (CSM), Bangladesh Agricultural University (BAU), Mymensingh-2202, Bangladesh.
- **Since July 2005** working as a **Part-time Faculty** for Postgraduate Diploma in ICT Course under the Department of CSM, BAU, Mymensingh-2202, Bangladesh.
- **From April 2005 to April 2007** worked as a **Lecturer** in the Department of CSM, BAU.
- **From May 2004 to April 2005** worked as an **Assistant Programmer** in the IT Division, Sonali Bank Ltd., Dhaka-1000, Bangladesh.

THESIS CO-SUPERVISING

At present, I am co-supervising in a research entitled "Developing a gene bank for rice using artificial neural network from classified gene sequence" for the MS student of my department. Moreover, I was the co-supervisor of a research entitled "Identification of rice diseases using artificial neural network" in the year 2007.

RESEARCH AND PUBLICATIONS

- [1] **Rahman, G.**, A.R.S.A. Siddique, S. Das, A.K.M.A. Hossain and K.I. Molla (2010). Developing an agent-mediated E-commerce environment for the mobile shopper. *Asian J. Inform. Technol.*, 9: 85-90.
- [2] **Rahman, G.**, S. Das, A.R.S.A. Siddique and K.I. Molla (2010). A web-based face recognition system using mobile agent technology. *Asian J. Inform. Technol.*, 9: 91-97.
- [3] M. Nobir Uddin, **M. Geaur Rahman**, Md Salahuddin Sarkar, M. Golam Mahmud, A R S A Siddique (2009). "Towards A Strategy for Implementing e-Governance in the Agriculture Sector in Bangladesh" published in the *International Journal of Engineering and Technology*, vol no 6(4), pp. 623-629.
- [4] **M. Geaur Rahman**, M. Nobir Uddin, M. Salahuddin Sarkar, A R S A Siddique (2009). "An Approach to Implement an Intelligent Software Agent as a Personal Communication Assistant on the Internet" published in the *International Journal of Engineering and Technology*, vol no 6(4), pp. 596-601.
- [5] Md. Nobir Uddin, **Md. Geaur Rahman**, Md. Salahuddin Sarkar, Md. Abdus Salam Shah (2009). "An Approach of Developing a Hospital Management System Using Natural Language Technology" published in the *International Journal of Engineering and Technology*, vol no 6(2), pp. 501-507.
- [6] **Md. Geaur Rahman**, Md. Nobir Uddin, Md. Salahuddin Sarkar, Md. Abdus Salam Shah (2009). "Developing a Scanned Text Image to Text File Conversion System Using Artificial Neural Network" published in the *International Journal of Engineering and Technology*, vol no 6(2), pp. 488-493.
- [7] M. M. Billah, M. P. Islam and **M. G. Rahman** (2007). "Identification of rice diseases using artificial neural network" published in the *Bangladesh Society for Agricultural Science and Technology* , vol no 4, pp. 197-201.
- [8] **M. G. Rahman**, M.A. Hossain, A.R.S.A. Siddique and M.K.I. Molla (2006). "Gender Identification System from Facial Image Using Artificial Neural Network" published in the *Journal of Agricultural Machinery and Bioresources Engineering* , vol no 4, pp. 7-11.
- [9] **M. Geaur Rahman**, A. K. M. Akhtar Hossain and M Khademul Islam Molla (2006). "*Design and Development of Bangla Programming Environment with its Compiler*" published in the *Bangladesh Journal of Progressive Science and Technology* , vol no 4, pp. 65-72.
- [10] **Md. Geaur Rahman**, Md. Khademul Islam Molla, A.R. Shoyeb Ahmed Siddique, Dr. R C Debnath (2005). "Developing A Decision Support System Using On-Line Analytical Processing (OLAP)" published in the 8th International Conference on Computer and Information Technology (ICCIT), vol no 8, pp. 293-298.
- [11]. **Md. Geaur Rahman**, Mst. Zannatul Ferdaus, Md. Altab Hossain, Md. Abdul Alim (2004). "*Developing a Programming Language Using Bangla Character Set*", published in the journal of Science, Part-B, Rajshahi University Studies, Rajshahi, Bangladesh, vol no 32, pp. 51-62.
- [12] **Md. Geaur Rahman**, A.K.M. Akhtar Hossain, Md. Altab Hossain, Dr. Ramesh Chandra Debnath (2004). "A Web-Based Signature Verification System Using Mobile Agent Technology" published in the 7th International Conference on Computer and Information Technology (ICCIT), vol no 7, pp. 241-246.
- [13] **Md. Geaur Rahman**, Mst. Zannatul Ferdaus, A.K.M. Akhtar Hossain, Md. Khademul Islam Molla, KJA Chisty (2004). "Developing A Mobility-Based Framework for Adaptive Clustering in Wireless Ad-Hoc Networks" published in the 7th International Conference on Computer and Information Technology (ICCIT), vol no 7, pp. 251-256.
- [14] A.K.M. Akhtar Hossain, **Md. Geaur Rahman**, Dr. Ramesh Chandra Debnath (2003). "Comparative Study of Signature Verification System Using Supervised (BPNN) and Unsupervised (HMM) Models" published in the 6th International Conference on Computer and Information Technology (ICCIT), vol no 6, pp. 732-737.

TITLE OF THE B.Sc. (Honours) PROJECT

"*An Approach to Develop a Signature Identification System Using Neural Network Computing Technique*" submitted to the Department of Computer Science and Engineering, University of Rajshahi, Rajshahi-6205, Bangladesh, to fulfillment the requirements for the degree of Bachelor of Science (Honours) in Computer Science and Technology.

TITLE OF THE M.Sc. THESIS

"*An Approach to Design and Development of a Bangla Programming Environment with its Compiler*" submitted to the Department of Computer Science and Engineering, University of Rajshahi, Rajshahi-6205, Bangladesh, to fulfillment the requirements for the degree of Master of Science in Computer Science and Engineering.

ACHIEVEMENTS/AWARDS/SCHOLARSHIP

- ▶ **Gold Medal** awarded by the Agrani Bank for securing highest mark among the students of the entire science faculty in the undergraduate studies, 2001, University of Rajshahi, Bangladesh.
- ▶ **Prize** awarded by the Rajshahi University for securing First class First position in the undergraduate studies, 2001, University of Rajshahi, Bangladesh.
- ▶ **Prize** awarded by the Rajshahi University for securing First class First position in the M.Sc. exam, 2002, University of Rajshahi, Bangladesh.
- ▶ **University Merit Scholarship** awarded by the Rajshahi University for the excellent academic result in the undergraduate studies, 2003, University of Rajshahi, Bangladesh.
- ▶ **Certificate** awarded for the excellent performance in the Academic, Science and Software Exhibition of Golden Jubilee Ceremony-2003, University of Rajshahi, Bangladesh.
- ▶ **16th** place winner of the 26th ACM International Collegiate Programming Contest, Asia Regional competition 2001, BUET, Dhaka, November 10, 2001.
- ▶ **2nd** place winner of the Inter Department Programming Contest hosted by the Department of Computer Science and Technology, University of Rajshahi, Bangladesh, May 10, 2001.
- ▶ **Medal** awarded from the CHESS event in the Indoor Games Competition 2000, Syed Ameer Ali Hall, University of Rajshahi, Bangladesh.
- ▶ **Junior School Scholarship** (1991) awarded by the Government of Bangladesh
- ▶ **Primary School Scholarship** (1988) awarded by the Government of Bangladesh

TRAINING COURSES TAKEN

- ▶ Attended in the training course on "*Orientation course for the system analysts and programmers*", organized by Sonali Bank Staff College, Dhaka, September 23, 2004 –October 14, 2004.
- ▶ Attended in the training course on "*Scientific Report Writing*", organized by Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh, June 04, 2005 –June 10, 2005.
- ▶ Attended in the training course on "*Project Cycle Management*", jointly organized by Graduate Training Institute (GTI) & BAURES, Bangladesh Agricultural University, Mymensingh, September 14 –19, 2005.
- ▶ Completed an advanced course on "*Communicative English*", arranged by the Department of Language, Bangladesh Agricultural University, Mymensingh, during March – May, 2006.

PROFESSIONAL MEMBERSHIP

- ▶ **Associate Member**, Bangladesh Computer Society, Bangladesh. Membership No.: AM-3560.

COMPUTER SKILLS

- **Programming Languages and Tools:** C, C++, Java, SAS, MATLAB, ArcView GIS, Visual Basic, Visual C++, ASP, JSP, PHP, Java Script, VB Script, Visual Studio.Net, Oracle, Microsoft SQL Server, and MySQL.
- **Operating Systems:** Windows 9x, 2000 Professional, 2000 Server, 2000 Advanced Server, XP, 2003 Enterprise Edition, Windows 2007, Linux and MS-DOS.

WEB PROGRAMMING SKILL

- ▶ Designed, developed and maintaining the official website of Bangladesh Agricultural University (BAU), Mymensingh-2202 (<http://www.bau.edu.bd>)
- ▶ Designed, developed and maintaining the official website of Bangladesh Agricultural University (BAU) undergraduate admission system, Mymensingh-2202 (<http://www.bau.edu.bd/admission>)
- ▶ Designed, developed and maintaining the official website of S.S. Dhaka Trading Ltd. (SSDTL), Dhaka, bangladesh-1219 (<http://www.ssdTL.com>)
- ▶ Partially designed and developed the official website of Transport Planning & Engineering Consultancy (TPEC), Dhaka, bangladesh-1207 (<http://www.tpec.com.bd>)

CO-CURRICULAR ACTIVITIES

My co-curricular activities include the followings:

- Reading
- Watching TV (Cinema, Drama, Sports)
- Playing football and Cricket
- Traveling

COURSES TAUGHT AT UNDERGRADUATE, M.S. AND PGD-IN-ICT

◆ Undergraduate level

CSM 127: Computer Science, CSM 213: Computer Applications, CSM 391: Computer Applications for Social Science, CSM 402: Computer Aided Design, CSM 405: Electronics and Instrumentation, CSM 421: Digital Circuits, CSM 423: Operation Research, CSM 425: Computer Networks, CSM 437: GIS and ICT.

◆ M.S. level

CSM 512: Computer Science, CSM 6102: Advanced Database Systems, CSM 6204: Simulation and Modeling, CSM 6403: Advanced Syntactic Pattern Recognition, CSM 6502: Multimedia Systems, CSM 6503: Computer Graphics and Animation, CSM 6802: Neural Networks.

◆ PGD-in-ICT

ICT6005: Operating System Concepts and UNIX, ICT6006: Database Management System, ICT6007: Visual and Internet Programming Using Java, ICT6008: Information System Analysis and Design, ICT6013: Interactive Multi-Media Design and Development, ICT6015: Electronic Commerce.

LANGUAGE PROFICIENCY

- Bengali (Native), English (Fluent).
- The medium of instruction both in B.Sc. (Hons) and M.Sc. was English.
- Overall IELTS score 6.0. Test dated: December 5, 2009

REFEREES

1. Professor M. Maminul Huq

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2. Dr. A.K.M. Akhtar Hossain

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3. Dr. A.T. M. Ziauddin

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DECLARATIONS

I declare that to the best of my knowledge the information supplied within this curriculum vitae is correct and complete.



Signature

Dated: June 24, 2010