



Mohammad Maruf Hossain

BSc (Hons) *Dhaka*, GNIIT, MIT *Deakin*, MACS(Prov)

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KEY QUALIFICATION:

- Master of Information Technology, specializing in **Software Engineering** with an average grade of **High Distinction** from the School of Information Technology, Deakin University, Australia.
- Graduate Diploma (GNIIT), specializing in **Systems Management** with an average grade of **Excellent** from NIIT, Dhanmondi, Dhaka, Bangladesh.

JOB EXPERIENCE:

1) Head Tutor (Casual) for 433-341 Software Engineering: Processes and Practice

Duration: March 2008 – June 2008

Head Tutor (Casual) for 433-343 Professional Issues in Computing

Department of Computer Science and Software Engineering, The University of Melbourne, Melbourne, VIC 3010, Australia

Duration: June 2006 – November 2006

Job Description:

Teaching:

- Conducting tutorials.
- Assisting the subject coordinator in the development of tutorial exercises and written project assignments.

Consultation:

- Reading the subject news group and respond to queries.
- Assisting in maintenance of subject web pages.
- Participating in student-staff Liaison meetings.
- Handling requests for project extensions and record extensions granted.
- Consulting students on their assignments or understanding issues discussed in lectures regularly.

Assessment:

- Marking a share or project submissions, presentations, assignments and exam papers.
- Assisting with development of project submit scripts.
- Developing project marking guidelines and marking sheets in cooperation with subject coordinator and assist with exam marking.

Administration:

- Creating and supporting the project groups.
- Printing and distributing student submissions to casual staff for marking.
- Actively collecting marked projects from casual staff and collating marks.
- Computing penalties for late project submissions and collecting and collating marks for project work and tutorial performance.

Management:

- Coordinating casual staff for the subject.
- Attending regular meetings with the subject coordinator and subject staff.
- Assisting with casual staff pay claims.

2) Tutor (Casual) for 433-341 Software Engineering: Processes and Practice

Department of Computer Science and Software Engineering, The University of Melbourne, Melbourne, VIC 3010, Australia

Duration: March 2006 – June 2006

Job Description:

- Conducting tutorials.
- Consulting students on their assignments or understanding issues discussed in lectures.
- Conducting interviews and taking viva voce.
- Marking presentations, assignments and exam papers.

EDUCATIONAL QUALIFICATION:

Degree/ Diploma / Certificate	Group / Faculty	Passing Year	Department / College / School	Board / Institute / University	Division / Grade
Doctor of Philosophy	Engineering	2009	Department of Computer Science & Software Engineering	The University of Melbourne, Australia	<i>Continuing</i>
Master of Information Technology (Software Engineering)	Science & Technology	2005	School of Information Technology	Deakin University, Australia	High Distinction (>80%) Achieved Score 89.67%
Graduate Diploma in Information Technology (Systems Management)	–	2001	Dhanmondi Center	NIIT, Bangladesh	Excellent (> 80%) Achieved Score 91.79%
Bachelor of Science (Honors)	Science	2003	Department of Mathematics	University of Dhaka, Bangladesh	3rd (> 35%) Achieved Score 36%
HSC	Science	1996	Notre Dame College	Education Board of Dhaka, Bangladesh	1st (> 60%) Achieved Score 73.7%
SSC	Science	1994	Udayan Bidyalaya	Education Board of Dhaka, Bangladesh	1st * (> 75%) Achieved Score 86.9%

RESEARCH INTERESTS:

- Receiver Operating Characteristics (ROC) Curves,
- Data Mining and Machine Learning,
- Computational Intelligence and Fuzzy logic,
- Bioinformatics and Genomics,
- Cancer prediction and clinical decision support system.

PUBLICATIONS:

- **Improving k -Nearest Neighbour Classification with Distance Functions based on Receiver Operating Characteristics.** Md. Rafiul Hassan, M. Maruf Hossain, James Bailey and Kotagiri Ramamohanarao. In *Proceedings of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2008), Part I, LNAI 5211*. Pages 489-504, September 15-19, 2008, Antwerp, Belgium.
CORE Ranking: **A**, Acceptance Rate: **20%**
- **Forecasting Urban Air Pollution Using HMM-Fuzzy Model.** M. Maruf Hossain, Md. Rafiul Hassan and Michael Kirley. In *Proceedings of the 12th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2008)*. Pages 572 – 581, May 20-23, 2008, Osaka, Japan.
CORE Ranking: **A**, Acceptance Rate: **25%**
- **ROC-tree: A Novel Decision Tree Induction Algorithm Based on Receiver Operating Characteristics to Classify Gene Expression Data.** M. Maruf Hossain, Md. Rafiul Hassan and James Bailey. In *Proceedings of the 2008 SIAM International Conference on Data Mining (SDM 2008)*. Pages 455 – 465, April 24-26, 2008, Atlanta, GA, USA.
CORE Ranking: **A**, Acceptance Rate: **27%**

LANGUAGE SKILLS:

1. Full proficiency with reading, writing and speaking of English (Overall band score 8 in IELTS).
2. Full proficiency with reading, writing and speaking of Bangla (National Accreditation Authority for Translators & Interpreters Ltd (NAATI) accredited translator from English to Bangla).
3. Full proficiency with speaking Hindi.

OTHER SKILLS:

1. Strong and proven communication skills, both verbal and written, as described.
2. Leadership skills.
3. Did well both as a team leader and as a team member in many occasions.
4. As an IT journalist over 200 reports have been published in leading daily magazines' IT Page and monthly magazines regularly since last 3 years in Bangladesh.
5. As a professional I am highly focused and result oriented.

AWARDS:

1. Endeavour International Postgraduate Research Scholarship (IPRS), Australian Federal Government, Australia.
2. Melbourne International Research Scholarship (MIRS), The University of Melbourne, Australia.
3. Research Training Scheme (RTS), Commonwealth Government of Australia.
4. Melbourne Research Scholarship (MRS), The University of Melbourne, Australia.
5. Contributor of the Year 2002, Daily Ittefaq, Information Technology Page, Dhaka, Bangladesh.
6. 3rd Prize, 19th National Science and Technology Week 95-96 (Central), organized by the Ministry of Science and Technology, Govt. of Bangladesh.
7. 1st Prize, 19th National Science and Technology Week 95 (Dhaka-West), organized by Notre Dame Science Club under guidance of the Ministry of Science and Technology, Govt. of Bangladesh.
8. 1st Prize, 17th National Science and Technology Week 93 (Dhaka-West), organized by Notre Dame Science Club under guidance of the Ministry of Science and Technology, Govt. of Bangladesh.
9. Honorable Mention for the Notre Dame Computer Club Man of the Year '96, Notre Dame College, Dhaka, Bangladesh.

PARTICIPANTS:

1. SoftFair 2001, organized by North South University Computer Club, Bangladesh.
2. Programming Contest of Electro Computer Days 2000, organized by Association of Computer & Electrical Students, BUET, Bangladesh.
3. 17th National Science and Technology Week 93-94 (Central), organized by the Ministry of Science and Technology, Govt. of Bangladesh.

MEMBERSHIP:

1. Professional Member (Provisional), Australian Computer Society, Australia (since 2005).
2. Founder and Life-time member, Bangladesh ICT Journalist Forum, Bangladesh (since 2003).
3. Former Project Organizer, Notre Dame Computer Club, Notre Dame College, Dhaka, Bangladesh (1995-1996).
4. Former Project Secretary, Notre Dame Science Club, Notre Dame College, Dhaka, Bangladesh (1996-1997).
5. Life-time Member, Notre Dame Science Club, Notre Dame College, Dhaka, Bangladesh (since 1996).

REFeree:

1. Dr. James Bailey, Research Director and Senior Lecturer, Department of Computer Science and Software Engineering, The University of Melbourne, email: jbailey@csse.unimelb.edu.au, Phone (Work): 8344 1319
2. Professor Rao Kotagiri *FIEAust*, *FTSE*, *FAA*, Professor, Department of Computer Science and Software Engineering, The University of Melbourne, email: rao@csse.unimelb.edu.au, Phone (Work): 8344 1301

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