

IFTEKHARUL ALAM

EFAT



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<https://goo.gl/7JH5Fu>

<https://goo.gl/iSBKzz>

MOTIVATION

Eager to bring students into the new trends of twenty-first century using a unique combination of education experience coupled with several professional experiences in software industry as well as teaching profession. Dedicated to enthusiastic & dynamic teaching as a means of creating and nurturing proficient software engineers. I particularly enjoy collaborating with Software Systems with Artificial Intelligence and solve new challenges. Currently, doing research on "IoT Based Health Status Monitoring Technology", using neural network that will be monitor health status of diabetics patients.

EDUCATION

M.Sc. in Software Engineering *January 2013 to
June 2014*

Institute of Information Technology
University of Dhaka, Bangladesh

Courses: Research Methodology, Formal methods & Models in Software Engineering, Simulation Modelling & Stochastic Process, Secure Software Design & Programming, Graph Theory, Distributed Software Engineering

Thesis: Reusability Measurement for Software Components

CGPA – 3.79 (in the scale of 4.00)

Bachelor of Information Technology *January 2009
to
December 2012*
(Major in Software Engineering)

Institute of Information Technology
University of Dhaka, Bangladesh

Important Courses: Data Structure & Algorithm, Theory of Computing, Data Communication & Networking, Combinatorial Optimization, Software Requirement Specification & Analysis, Database Management System, Design Pattern, Distributed Systems, Software Testing & Quality Assurance, Software Design & Analysis, Artificial Intelligence, Pattern Recognition & Image Processing

Thesis: Face Recognition with Vibrant Local Ternary Pattern (VLTP)

CGPA – 3.84 (in the scale of 4.00)

Higher Secondary Certificate *August 2006*

Notre Dame College, Dhaka, Bangladesh

GPA – 5.00 (in the scale of 5.00)

June 2008

Secondary School Certificate

St. Gregory's High School, Dhaka, Bangladesh

GPA – 5.00 (in the scale of 5.00)

January 1996

to

April 2006

TEACHING EXPERIENCE

- February 2019**
to
Present
- Lecturer**
Institute of Information Technology (IIT), Noakhali Science and Technology University (NSTU)
Course Software Requirement Specification & Analysis, Information
Taken: Security, Information System Ethics, Research Methodology.
- January, 2015**
to
February 2019
- Sr. Lecturer**
Department of Software Engineering, Daffodil International University
Course Software Requirement Engineering, System Analysis &
Taken: Design, Software Testing & Quality, Software Architecture, Software Project Management, Management Information System, Web Programming, Internet Marketing.
- September, 2014**
to
December, 2014
- Lecturer (Ad-hoc)**
Department of CSE, Daffodil International University
Course Structured Programming, Data Structure & Algorithm,
Taken: Discrete Mathematics, Database Management System.

INDUSTRY EXPERIENCE

- August, 2014**
to
December, 2015
- Project Consultant**
RFID Inventory control of DIP (Department of Immigration & Passport)
Ministry of Home Affairs, Government of Bangladesh
Working with the UK based company DeLaReu in joint venture to maintain the inventory system of DIP and other services for the users. Most importantly, data synchronization with the existing printing system with new RFID system.
- January, 2013**
to
August, 2014
- Software Engineer (Database and QA Pool)**
comfosys Limited, Purana Paltan, Dhaka, Bangladesh
Collecting the requirements, regular communication with the stakeholders, Database schema designing, System flow and Quality control.
- July, 2011**
to
December, 2011
- Internee (Research & Development Department)**
One Call Solutions Limited, Banani, Dhaka, Bangladesh
Worked specially on Asterisk, FreeSWITCH and IVR call manager along with CRM implementation and Database Designing with bridging with existing technology.

JOURNAL PUBLICATIONS

- December 2014** Dynamic Blocks for Face Verification
Mohammad Ibrahim, **Md. Iftekharul Alam Efat**, Tajkia Rahman Toma, Shah Mostafa Khaled, Md. Shariful Islam, Mohammad Shoyaib
International Journal of Computer Vision & Signal Processing (ISSN: 2186-0114), Volume: 4, Issue 1, Page: 29-38
- December 2013** Vision Inspired Local Ternary Pattern (VLTP) for Face Recognition and Verification
Md. Iftekharul Alam Efat, Mohammad Ibrahim, Humayun Kayesh Shamol, Shah Mostafa Khaled, Muhammad Mahbub Alam, Mohammad Shoyaib
Journal of Engineering and Technology (ISSN: 1684-4114), Volume: 11, Issue 1, Page: 51-66

CONFERENCE PUBLICATIONS

- February 15-16, 2020** IoT Based Smart Health Monitoring System for Diabetes Patients using Neural Network
Md. Iftekharul Alam Efat, Shoaib Rahman, Tasnim Rahman
2nd International Conference on Cyber Security & Computer Science, (pp 121-132), Published in Springer Nature Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST) Series
- October 18-20, 2018** Trend Estimation of Stock Market: An Intelligent Decision System
Md. Iftekharul Alam Efat, Rakibul Bashar, K. M. Imtiaz Uddin, Touhid Bhuiyan
International Conference on Cyber Security & Computer Science (ICONCS'18), (pp 44-49), ISBN: 978-605-9554-32-9
- May 23-24, 2014** Feature Prioritization for Analyzing and Enhancing Software Reusability
Md. Iftekharul Alam Efat, Md. Saeed Siddik, Mohammad Shoyaib, Shah Mostafa Khaled
3rd International Conference on Informatics, Electronics & Vision (ICIEV '14), PP: 1-5
- May 23-24, 2014** Face Verification with Fully Dynamic Size Blocks based on Landmark Detection
Mohammad Ibrahim, **Md. Iftekharul Alam Efat**, Shah Mostafa Khaled, Mohammad Shoyaib
3rd International Conference on Informatics, Electronics & Vision (ICIEV '14), PP: 1-5

- January 10-12, 2014** Dynamic Local Ternary Pattern for Face Recognition and Verification
Mohammad Ibrahim, **Md. Iftekharul Alam Efat**, Humayun Kayesh Shamol, Shah Mostafa Khaled, Mohammad Shoyaib, M. Abdullah-Al-Wadud
8th International Conference on Computer Engineering and Applications (CEA '14), PP: 146-151
- May 17-18, 2013** Automated Bangla Text Summarization by Sentence Scoring and Ranking
Md. Iftekharul Alam Efat, Mohammad Ibrahim, Humayun Kayesh Shamol
2nd International Conference on Informatics, Electronics & Vision (ICIEV '13), PP: 1-5

HONORS & AWARDS

- May 24, 2014** **Best Presenter Award**
3rd International Conference on Informatics, Electronics & Vision (ICIEV '14) for paper: "Face Verification with Fully Dynamic Size Blocks based on Landmark Detection".
- March 18, 2012** **University Undergraduate Scholarship of Excellence**
Achieved scholarship for excellent result and other co-curricular activities throughout graduation period.
Awarded by, University of Dhaka, Bangladesh

ACHIEVEMENTS

- October, 2011** **2nd Runners-up**
Banglalink Grandmaster Idea Contest
Business plan and implementation of a VAS (Value Added Service) for Banglalink
Idea: SMS based bus ticketing named EASY PASSANGER for inter-city & intra-city bus services in Bangladesh
- April, 2011** **1st Runners-up**
Project Showcasing (Hardware & Software)
3rd National ICT FEST 2011, Islamic University of Technology (IUT), Gazipur, Bangladesh
Project: mobile based loan & payment, providing three features including account checking, mobile balance recharge, loan & payment using the Credit Rating idea.

- February, 2011** **2nd Runners-up**
Software Project Fair
 EWU IT Festival 2011, East West University (EWU), Dhaka, Bangladesh
 Project: m-Tourism, a mobile based tourism system of seeking and booking
- February, 2007** **Champion**
BCSIR Science Fair
 Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh
 Project: E-Voting: A Pathway to Free, Fair & Transport Election
- January, 2006** **Runners-up**
4th Divisional (Dhaka) Mathematics Olympiad
 Bangladesh Mathematical Olympiad (BdMO)

LEADING SKILLS

- February, 2012 – October, 2014** Sr. Vice President & Founder
DUITS (Dhaka University IT Society), University of Dhaka
- September, 2008 – June, 2009** President (Project)
Notre Dame Science Club, Notre Dame College, Dhaka
- March, 2005 – July, 2006** General Secretary
Gregorian Mathematics Club, St. Gregory's High School, Dhaka
- January, 2004 – December, 2005** Student Editor
"The Gregorian", Annual Magazine, St. Gregory's High School, Dhaka
- June, 2000** Troup Leader
Scout Team of St. Gregory's High School

REFERENCES

Dr. Touhid Bhuiyan

Professor & Head

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 Daffodil International University
 Bangladesh
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Shah Mostafa Khaled

Associate Professor

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