

MD. ATAUR RAHMAN

Phone: 880- 01717-841521
E-mail: shuvo.2007@gmail.com
Web: www.shuvo.net

Awards

2nd runners up, Inter School Science fair, year 2000

Best student award, year 2003, Comilla Modern High School

3rd Runners Up, Inter District Painting Competition, year 2001

2nd prize in Jubok Phone Logo Design Competition, year 2001

Government Scholarship for securing brilliant result in SSC exam, year 2003

Government Scholarship for securing brilliant result in HSC exam, year 2005

Education

B.Sc. in Electronics and Telecommunication Engineering
North South University, Bashundhara, Dhaka-1215.
Final year student, CGPA: 3.44[out of 4.0]
Undergrad thesis title: "iClassroom: toward a low cost interactive classroom"
Supervisor: Dr. Kazi Abu Sayeed, Assistant Professor, North South University.

Higher Secondary Certificate Examination
Comilla Victoria Government College, Comilla-3500
GPA: 5.00 [out of 5.00] [Approximately among top 0.44% in the country]

Secondary School Certificate Examination
Comilla Modern High School, Comilla-3500
GPA: 4.75 [out of 5.00] [Approximately among top 0.037% in the country]

Projects during coursework

Design and development of fully functional canteen management software using the C programming language. [course :ETE 132]

Design and implementation of a Complete Community Portal site for people associated with Medical Association [a website with blog, forum, news and events].The website was developed for a Bangladeshi Company named Prospect Bangladesh Ltd using XHTML, CSS, JAVASCRIPT, PHP, MYSQL and AJAX. [course: ETE 334]

Design and implementation of Microcontroller and Sms based automatic home appliances controller. Developed using AVR ATmega32 Microcontroller and Siemens' C65 cell phone. In this system, the user can turn their home appliances such as TV, light, AC on and off using just a SMS from their cell phone. [course : ETE 321]

Complete web solution for hospital management system with complex database management and different levels of user privileges. Developed using, XHTML, CSS, PHP, JAVASCRIPT, MYSQL.

Skills

| Field | Details | Level of Skill |
|-------------------------------|---|----------------|
| Circuit analysis tool | PSPICE 9.1 | Intermediate |
| Simulation and synthesis tool | ModelSim, Xilinx, Microwind, Matlab | Intermediate |
| programming | C, C++, Assembly, Python, Matlab | Intermediate |
| Web programming | XHTML, HTML5, CSS2, CSS3, Java Script, PHP | Advanced |
| | XML, Ajax, JQuery | Elementary |
| Database | MySQL, Oracle 11G | Intermediate |
| Graphics Design | Photoshop, PhotoScape, Illustrator, Lightroom | Intermediate |
| Other developers tools | WinAVR, AVR studio4.0, Dreamweaver | Intermediate |

Publications

V. K. Sarkar, **M A Rahman**, M A Matin, Design and Development of Microcontroller based Digital Bangla Clock, 2011 The 4th IEEE International Conference on Computer Science and Information Technology [IEEE ICCSIT 2011], pp- June, 2011.

Research Interests

I am interested in creating technology that benefits people in developing regions. Current work involves creating a low cost interactive classroom and developing a design framework for web pages to help people with varied disabilities.

Research Experience

iClassroom: Toward A Low Cost Interactive Classroom

iClassroom is an ongoing project. A low cost interactive classroom is being developed with a microcontroller based interactive whiteboard, automation of attendance count system using RFID and interactive control panel to control electrical devices inside the classroom.

Chameleon: An Adaptive User Interface Design Framework for Web Pages

This work in progress presents a particular design framework that allows end-user to customize the web pages according to their need and also adaptive front-end of the web page which changes its appearance based on the traffic and requests on personalized user interfaces.

Design and development of Digital Bangla clock

Digital Bangla Clock is a microcontroller based clock with high precision and dual language functionality. ATmega32 Microcontroller is used in the main circuitry and software is written using ANSI C.

Job Experience

| Position | Employer | Duration |
|--------------------------|--|----------|
| Technical Article Writer | Dot Marc Inc. Level-5,Room no 502,Mouchak,Tower,Malibag,Modh,Dhaka | 5 month |
| Web Developer | Lion IT Ltd. A concern of Lion groups of companies.126/27, 1 no gate, Monipuripara, Farmgate, Dhaka. | 6 month |
| Web Developer | Webimpluse.co.uk Webimpulse 24 Gloucester Court Golders Green Road NW11 9AE | 8 month |

Other work experience

I have worked in many international and national events as event coordinator, facilitator and liaison officer. I worked in those events to develop my communication skill and as well as to boost my organizational skills. I worked with different companies' namely spellbound events, Aangina Events, HCDL Ltd, Rahima Afrooz Ltd.

SAMPLE WEB WORK

<http://www.batchmatebd.com> (A static website designed using xhtml, css; entire design is done by me.)

<http://www.sparkenergy.com.bd> (a static website designed using xhtml, css and JQuery. 100% design by myself)

<http://www.shuvo.net> (a dynamic website designed using xhtml, css and php)

<http://www.mybdbooking.com> (a dynamic website developed using CakePHP with hotel booking system)

My entrepreneurial skill

Unmesh Bangladesh

A student organization, founded by me, to promote student research in Bangladesh and to bridging the gap between research students in Bangladesh and abroad. Learn more at <http://www.shuvo.net/unmesh.html>

Batch mate

Tutoring house to prepare student to admit into North South University. Tutored more than 500 students and managed 30 people hired by myself. Learn more at <http://www.batchmatebd.com>.

Member

Member of CERN-The European Organization for Nuclear Research

Member UNYSAB (United Nation Youth and Student Association of Bangladesh)

Reference:

Dr. Mohammad Matin
B.Sc.Engg(BUET),M.Sc.Engg(UK),PhD(UK)
Office: 8852000 ext. 1510
Cell-Phone: +880 1913 610 081
E-mail: matin@northsouth.edu
Department of EECS
North South University
Room No.915
Bashundhara, Dhaka, Bangladesh
<http://matinmnt.byethost4.com/>

Jonathan Richmond
Bangladesh number: +880 (0)1714 179013
US number +1 617 395-4360
e-mail: richmond@alum.mit.edu
<http://the-tech.mit.edu/~richmond/>

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