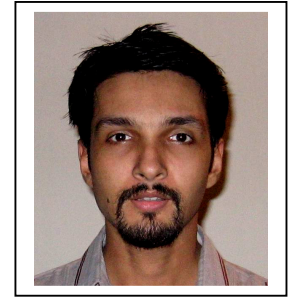


# CURRICULUM VITAE OF MASUDUR RAHMAN KHAN



## PERSONAL DETAILS

---

- **Father's Name:** Late Mahfuzur Rahman Khan, Profession: Ex-professor, BUET.
- **Mother's Name:** Fahima Khanam, Profession: Teaching, Associate Professor, BUET, Department of Physics, Dhaka.
- **Sex:** Male
- **Date of Birth:** 30<sup>th</sup> August, 1978
- **Nationality:** Bangladeshi
- **Religion:** Islam
- **Height:** 5 feet 9 inch
- **Marital status:** Single
- **Nick:** Sadi

## ADDRESS

---

- **Present:** 3/A BUET R/A, Dhaka. ( $23^{\circ}43'36.34''N$ ,  $90^{\circ}23'40.25''E$ )\*
- **Permanent:** House-22, Road-2, Dhanmondi, Dhaka. ( $23^{\circ}44'21.31''N$ ,  $90^{\circ}22'48.23''E$ )\*
- **Phone:** +8801199-013508 (cell), +8801713041992 (cell), +880-2-9665650 ext 7603 (Res), +880-2-8619415(Res)
- **E-mail:** sadi.mail@gmail.com
- **Homepage:** <http://www.sadi-khan.com>

## HIGHEST DEGREE OF EDUCATION

---

- Bachelor of Science (B.Sc.) in Mechanical Engineering from Bangladesh University of Engineering and Technology (BUET) ( $23^{\circ}43'33.51''N$ ,  $90^{\circ}23'32.71''E$ )\* <http://www.buet.ac.bd>

## CAREER OBJECTIVE

---

- Research, Planning
- System Design and Analysis

## CURRENT PROFESSION

---

- **SIEMENS**
- **Home page:** (<http://www.siemens.com.bd>)
- **Designation:** Executive Engineer
- **Job Responsibility:** Switch Commander Specialist
- **Date of joining:** 8<sup>th</sup> October, 2006

## WORKING EXPERIENCES

---

### **Software and IT**

#### **At Millennium Information Solution Ltd**

In MISL, I was the software Engineer of an outsourcing project.



[Mindworking] (A Danish IT firm) is the outsourcing partner.

Here are some related projects of Mindworking partially designed and developed by me

#### **MBS (Minworking Backend System)**

The backend system for Mindworking's projects.

Programming platform: Microsoft .NET framework, C#.

##### ***Main features***

1. *Authentication via Web service*
2. *User Management*
3. *Client, Site and department management*
4. *Connectivity to different projects*

##### ***Technology***

5. *Ajax (Asynchronous Javascript and XML)*
6. *ASP.NET*
7. *Java script*

#### **MMD (Mindworking Media Database)**

It is a web based application.

Programming platform: Microsoft .NET framework, C#.

##### ***Main features***

1. *Image searching*
2. *Image upload/download*
3. *Image managing*

#### **MSM (Mindworking Server Monitor)**

It is a combination of Web based application and System services.

#### **MMS (Mindworking messaging System)**

A web based chatting tool.



### **Systems Solution and Development Tech. Ltd**

- **Fintelligent**

Practical experience on integrated **Leasing software** development and implementation. (Fintelligent – SSD Tech) (April – July, 2004)

*Front End: MS Visual Basic 6.0, C++*

*Back End: MS SQL Server (UDF and SP are used) and SmartControl*

##### ***Main modules developed and managed***

1. *Offer & Agreement registration and life cycle controlling.*
2. *Accounts (Voucher, Auto-Voucher, Money receipt, Cheque receipt, Accounting reports)*
3. *Client management*
4. *Bangla reports (For Bangladesh Bank)*
5. *Administration*

- **Sthapona**

Practical experience on integrated **Construction Management Software**. (Sthapona – SSD Tech) (September -December, 2004)

*Front End: MS Visual Basic 6.0, C++*

*Back End: MS SQL Server (UDF and SP are used) and SmartControl*

##### ***Main modules developed and managed***

1. *Design extraction from AUTOCAD*

2. *Generation of Bill of Quantity (BOQ)*
3. *Accounts (Voucher, Auto-Voucher Accounting reports)*
4. *Client management*
5. *Inventory management*
6. *Administration*

- **SmartControl**

I am the only designer and developer of 'SmartControl', a very useful ActiveX Control to develop data based software. Many standard algorithm are used which are directly usable by the novice developers. Currently it is the basement of all projects of SSD Tech. (SSD Tech) (July – October, 2004)

*Front End: MS Visual Basic 6.0, C++*

*Back End: MS SQL Server or MS Access (Database independent)*

**Main Modules**

1. *Automatic Data entry form generator*
2. *Excel based report generation*
3. *Administration*
4. *Dynamic Input field (Textbox, Combo box, Check box, Date picker in ONE!)*

- **DevTool**

It is a 'utility software' that helps to develop more rapidly and easily.


*Front End: MS Visual Basic 6.0*

*Back End: MS Access*

**Main Modules**

1. *Database comparator (Finds out the mismatches between two databases)*
2. *'Control Calculator' (It can calculate the number of SUBs, FUNCTIONs and ActiveX control components used in a project)*

- **Smart Account**

I am the only developer of 'SmartAccount', a voucher based accounting software with generic inventory and party management. (AESIL , June-July, 2005)

*Front End: MS Visual Basic 6.0, C++*

*Back End: MS SQL Server*

**Main Modules**

1. *Accounts*
2. *Inventory*
3. *Administration*
4. *Party*

- **Other Small Projects partially developed**

**Accounts Manager:** Voucher based accounting software

**ReconPlus:** Reconciliation Software (EBL)

**DESAUpload:** Data Import/Export tool (Between EBL and DESA)

- Barcode Reader: Taking photo of Barcode pattern using Webcam and reading its content by image processing. (Still developing)

**Main modules are:**



- a. *Mechanical Structure*
- b. *Electrical control system*
- c. *Control software and user interface.*

**Electro-Mechanical System (Micro controller based)**

- Integrated Development kit for Micro-controller based systems
  - Easily pluggable to high voltage devices
  - Built in infra red remote sensing
  - Instant flash programming

- Real time debugging facility
- Automatic scrolling display (January - June, 2006 at **PROSER**).
- Design and Fabrication of Computer Numerical Control (CNC) drill machine (My B.Sc. project work)  
More information, visit: <http://www.sadi-khan.com/me400>
- Automatic Item Dispenser (September - October, 2005 at **PROSER**)  
Microcontroller based control system to deliver items.  
<http://www.sadi-khan.com/projects/aid/aid.htm>
- Development Associate of a mechatronic project in Mirpur Ceramic Industries Ltd. (1999)

### Electronics

- Design and implementation of Bar Code reader. (SSD Tech )
- Design and implementation of two channel data acquisition device. (Department of Chemistry, Dhaka University) (September-October, 2002)
- **Hardware interfacing** between PC and Cell DYN 3700 through serial port. (BMC) (January 2003, 20 working days)
- **Hardware interfacing** between PC and digital weighing machine. (Including auto recognition of weight and reliable error checking) (AESIL , <http://www.aesil.com/>) (May 2004, 10 days)
- Automatic Pump Controller design and implementation for household water pumps. (2002) (self research project)
- IR (Infra Red) remote controlling. (2004) (self research project)
- Digital Storage Oscilloscope by using multi channel ADC (Analog to Digital Converter). (2002) (self research project)


### Other Experiences





- Teaching: Part time teaching at **Bangladesh Institute of Information Technology**, Iqbal Road, Mohammadpur, Dhaka (April'06 – August'06)

### EDUCATION

- B.Sc., Mechanical Engineering, Bangladesh University of Engineering and Technology, Dhaka. (Dec-1998 to March-2004)  
C.G.P.A. – 3.29 on a scale of 4.00.  
B.Sc. Project: Design and Fabrication of a Computer Numerical Control Drill Machine (Supervisor: Professor Dr. Dipak Kanti Das)
- H.S.C (Science Group), Rifles' Public School & College, Dhaka  
Year: 1997, Result: 1st division, Marks: 769 out of 1000
- S.S.C (Science Group), Eng. Univ. High school, Dhaka  
Year: 1995, Result: 1st division, Marks: 814 out of 1000

### COMPUTER EXPERTISE

- Computer Programming (solved about 215 problems in ACM online programming contest)  
<http://acm.uva.es/cgi-bin/OnlineJudge?AuthorInfo:4532>
- Familiar with J2ME (Java for Mobile Environment)
- Software Technologies: ASP.NET, AJAX, SOAP, Web service, ActiveX, Windows Service
- Programming Language: C, C++, C#, Visual Basic, PHP, Javascript, Assembly, Java, HTML
- MS SQL Server: familiar with Stored Procedure, User defined function
-  Familiar with Microsoft .NET framework, NUnit framework, Log4Net, CVS and Visual source safe.

- Familiar with Unix based environment (Apache, PHP, MySQL)
-  Auto CAD 2004 (VBA Macro programming)
- Advanced user of Office Package:  Microsoft Word,  Microsoft Excel, Microsoft Power Point (VBA Macro programming)
- Operating System:  Microsoft Windows 98/ME/XP

## OTHER SKILL

---

- Hardware interfacing ( Interfacing to serial and Parallel port by using Assembly, C/C++, VB)
- Micro-controller programming (8051 compatible and AVR microcontroller is programmed for various control system)
- Circuit designing
- PCB Designing
- Mechanical structure designing
- Machine tool operation: Lathe, Shaper, Drill.

## LANGUAGE SKILL

---

Spoken, written, and comprehension skills in Bangla and English.

## EXTRA CURRICULAR ACTIVITIES

---

- A member of “ACM online programming”. <http://acm.uva.es/cgi-bin/OnlineJudge?AuthorInfo:4532>
- Stood 4<sup>th</sup> in Intra BUET programming contest in 1998 (junior group)<http://www.bangladeshonline.com/csebuett/jresult.htm>
- A member of BSME (Bangladesh Society of Mechanical Engineers). Membership no: **M05006 ME**

## REFERENCE

---

- Dr. Md. Rezwan Khan  
Vice Chancellor, United International University, Dhaka