



Bijan Paul

House# 27 (2nd Floor), Uddam, Lamabazar, Sylhet,
Cell: +880-1717221448, Email: bijancse@gmail.com

OBJECTIVE

Seeking a challenging career by giving all my skills to my profession and awaiting for a initiative role where I can maximize my technical and organizational skills and participate in the growth of organization.

EDUCATIONAL BACKGROUND

- **M.Sc. in Computer Science and Engineering (Running)**
Institution: Shahjalal University of Science and Technology, Sylhet.
Running (2nd Semester)
- **B.Sc. in Computer Science and Engineering**
Institution: Shahjalal University of Science and Technology, Sylhet
Passing Year: 2011
CGPA : 3.76 (Scale of 4.00)
Position : 2nd
Grade : A (Passed with Honors)
- **Higher Secondary Certificate (H.S.C.)**
College : Saint Joseph Higher Secondary School and College.
Year : 2006 Board : Dhaka
Result : **GPA-4.90** Group : Science
- **Secondary School Certificate (S.S.C.)**
School : Blue-Bird High School.
Year : 2004 Board : Sylhet
Result : **GPA-5.00** Group : Science

WORK EXPERIENCE

Duration: October'2011 – Present

Designation: Researcher and Software Developer

Place: Department of CSE, Shahjalal University of Science and Technology

Project: Mongol Dip (A software for visually impaired person to use computer)

Responsibilities: As a Researcher, Software Developer, Software Q/A Engineer Tester, Requirement collector & analyzer.

UNDERGRADUATE THESIS TOPIC

- Topic : **Vehicular Ad hoc Network (VANET)**
- Analysis of VANET Architectures, Applications and Routing Protocols.
- Performance Evaluation of on demand routing protocols using Network simulator (Ns-2.34).

PUBLICATIONS

International Journal

1. Bijan Paul, Md. Ibrahim and Md. Abu Naser Bikas, "VANET Routing Protocols: Pros and Cons". In International Journal of Computer Applications (IJCA), Volume 20– No.3, April 2011.
2. Bijan Paul, Md. Ibrahim and Md. Abu Naser Bikas, "Experimental Analysis of AODV & DSR over TCP & CBR Connections with Varying Speed and Node Density in VANET". In International Journal of Computer Applications (IJCA), Volume 24– No.4, June 2011.
3. Bijan Paul, Md. Ibrahim and Md. Abu Naser Bikas, "Performance Evaluation of AODV & DSR with Varying Pause Time & Node Density over TCP&CBR Connections in VANET". In International Journal of Computer Science and Network Security (IJCSNS), Volume 11– No.7, July 2011.
4. Bijan Paul, Md. Ibrahim and Md. Abu Naser Bikas, "Performance Evaluation of AODV & DSR with Varying Pause Time & Speed Time Over TCP & CBR Connections in VANET". In International Journal of Computer Science Issues (IJCSI), Volume 9, Issue 1, January 2012 issue.
5. Bijan Paul and Mohammed J. Islam, "Survey over VANET Routing Protocols for Vehicle to Vehicle Communication". In IOSR Journal of Computer Engineering (IOSR-JCE), Volume 7, Issue 5, PP 01-09, Nov-Dec. 2012.

International Conference

6. Md. Ruhul Amin, Bijan Paul and Faisal Ahamed Khan, "Bi-Lingual Screen Reading Software for the People with Visual Impairments". In 15th International Conference on Computer and Information Technology by ICCIT 2012, co-sponsored by IEEE.

Reviewer

□ International Journal

- "International Journal of Computer and Communication Engineering (**IJCCE**)"
- "International Journal of Computer Science & Information Technology (**IJCSIT**)"
- "The JOURNAL OF COMMUNICATIONS AND NETWORKS (**JCN**)".

□ International Conference

- "**CyberSec 2012**: The International Conference on Cyber Security, Cyber Warfare and Digital Forensic", Sponsored By IEEE Malaysia Section.

- "**DICTAP 2012**: The Second International Conference on Digital Information and Communication Technology and its Applications", Sponsored By IEEE Thailand Section.
- "**ICDIPC 2012**: The Second International Conference on Digital Information Processing and Communications", Sponsored by IEEE Lithuania Section.
- "**ICIA2013**: The Second International Conference on Informatics & Applications", Sponsored by IEEE Poland Section.
- "**ICEEE2013**: The Second International Conference on E-Learning and E-Technologies in Education", Sponsored by IEEE Poland Section.
- "**EBW2013**: The International Conference on E-Technologies and Business on the Web", Sponsored by IEEE Thailand Section.

Research Interest:

VANET, Routing protocols, Network Architecture, Wireless Ad-Hoc Networks, Human Computer Interaction(HCI).

SOFTWARE DEVELOPMENT SKILLS

- **Programming Skills** : C/C++, C#,ASP.NET, Java, PHP, Assembly Language, SQL, JavaScript, TCL, AWK.
- **Web Technologies** : HTML, Ajax.
- **Database** : Oracle 10g, MySQL, Microsoft SQL Server 2005
- **Networking** : TCP/IP, LAN administration.
- **Network simulator** : NS-2.34, PacketTracer5.1.
- **Operating System** : Windows, Ubuntu.
- **Application Software** : Microsoft Visio, Adobe Photoshop.
- **Tools** : Netbeans , OpenGL, Matlab, MS Visual Studio.Net, XAMPP

UNDERGRADUATE PROJECTS

- **Proctorial Body & Hall Management System**: A complete Hall automation system developed in 9th semester using **C#, ASP.NET and Oracle Database**, team project. I was the team leader.
Features:
 - 1. Multiple Hall Room Generator By Provost**
 - 2. Provost Online Notice Publish.**
 - 3. Student Application Form Fill up For Hall Seat through Online.**
 - 4. Student Inform Hall Complains Through Online.**
 - 5. Proctor Student Search & Write Report.**
- **Proctorial Body & Hall Management System**: Same software just uses **PHP & Mysql** to develop the software, Own project.
- **Hotel Management System**: An efficient management of hotel keeps records of all the transactions, additional option is also included. Developed using **Asp.net & SQL Server 2005**, own project.
- **Library Management System**: Software for efficient management of tasks concerning library management activities developed using **C#, Asp.net & SQL Server 2005**, own project.
Features:
 - 1. Student Search Available Books Through Online.**

2. Librarian Validate Student In Borrow Time.

- **Room Light Control System:** Develop the system as part of computer interfacing course using **C#** and parallel port communication.
- **School Management System:** Software for efficient management of tasks concerning School management activities developed using **Java & Oracle**, team project.
- **Graphics & Animation:** Beryllium-atomic movement Animation, 3D to 2D conversion; transparent shape, clipping, projection or hidden surface eliminated (**C++**).
- **Others:**
 - **A Company Software (HTML)**
 - **MS-Excel Function Interpreter(C++)**
 - **Tetris Game Using RMI (Java)**
 - **Tic-Tac-Toe** using alpha-beta pruning heuristic.(**C**)
 - **Simple C# Code Compiler** using (**C#**)
 - **PC Task Remainder(C#)**
 - **UNIPOLAR, RZ, NRZ-L, NRZ-I, MANCHESTER, DIFFERENTIAL MANCHESTER** encoding for input bit stream. (**C#**)
 - **Signal Processing System, Fourier series Implementation (Mat lab).**

EXTRA CURRICULUM ACTIVITIES

- Executive Member of SUST SCIENCE ARENA, SUST.
- Arranged and Organized Book Fair, Science Olympiad, Math Olympiad, Sudoku Competition etc in SUST campus.
- Vice-President of Saint Joseph Chess club, Saint Joseph Higher Secondary School & College, Dhaka. Organized the first ever CHESS tournament. (2005).
- Organizing member of CSE CARNIVAL'10, SUST.
- Member of SUST OSN

REWARDS AND ACHIEVEMENTS

- I have received the university scholarship in my undergraduate studies for securing best result in quite a few examinations in the department.
- Owned Bangladesh Government Scholarship for school level
- 2nd place in the Chess Competition (2006) in Saint Joseph Higher Secondary School and college.

REFERENCES

Professor Dr. M. Zafar Iqbal,
 Head, Department of Electrical & Electronics Engineering,
 Shahjalal University of Science & Technology,
 Phone (PABX): (88)-0821-713850/714479-154
 Email: mzi@sust.edu

Md. Abu Naser Bikas,
 Assistant Professor, Department of Computer
 Science & Engineering,

Shahjalal University of Science and
Technology,
E-mail: bikasbd@yahoo.com,
Mobile: +880-1911614279