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Muhammed Adnan Choudhury

OBJECTIVE

To be a part of a teaching and research community in an academic environment to hone my skills in carrying out independent or group-based research.

AREA OF INTEREST

Computer networks and distributed systems in general. Wireless sensor networks, network protocols, ubiquitous computing.

EXPERIENCE

**Lecturer, Department of Computer Science & Engineering,
Stamford University Bangladesh** (From September 2005-Present)

Undergraduate Level Courses Taught:
Digital Logic Design, Digital Signal Processing, Object Oriented Programming I, Object Oriented Programming II & related laboratory courses.

EDUCATION

B.Sc.(Engg.) in Computer Science and Engineering (June 2005)
Shah Jalal University of Science & Technology, Sylhet
CGPA: **3.67/4.00**
Merit Position: **5th** in a class of 60

TECHNICAL SKILLS

Operating Systems:

- Red Hat Linux V. 9.0
- Slackware Linux V. 9.0
- Windows 2000 Server/Professional
- Windows 98/XP

Programming languages:

- C, C++
- Core Java, JavaScript
- Visual Basic
- Prolog
- PHP

Database Management Systems:

- Oracle 9.0i
- MySQL
- MS Access
- Developer 6(for front end)

Other Software Packages:

- MATLAB 6.0/later
- Adobe Photoshop 6.0
- Macromedia Flash

**FINAL YEAR
THESIS**

“Developing a De-noising Technique for the Canadian National (CN) Tower Lightning Current Derivative Signal” Under the Supervision of Mr. Mohammed Jahirul Islam, Department of Computer Science & Engineering, Shah Jalal University of Science and Technology.

A modified Spectral Subtraction method was designed and proposed as the preferred choice for de-noising. It was shown that the proposed method improves on the existing solutions.

**UNDERGRADUATE
LEVEL PROJECTS**

- Designed a **100 Gbps Fiber Optics Network** for an area spanning over five districts from Panchagarh to Bogra.
- Developed a **complete mail client system** in Java.
- Designed and built **network chat software** with features such as Direct Client Communication & offline messaging.
- Developed a **stand-alone arithmetic engine** using a Z-80 microprocessor.
- Designed and developed a **complete database system** for the entire admission process of the university using Oracle 8.0i for the back end and Developer 6.0 for the front end.
- Developed a **complete database system** for inventory management of the department of CSE, SUST using Oracle 8.0i for the back end and Java for the front end.
- Developed **“IVETE”**, a feature-rich yet light-weight text editor, **following rigorous Software Engineering Development Cycles and proper Documentations.**

SCHOLARSHIPS

Three time recipient of **Annual University Scholarship for Merit.**

**EXTRACURRICULAR
ACTIVITIES**

- Member of Bangladesh Astronomical Association. A regular contributor in ‘*Mahakash Barta*’, the leading publication on astronomy in Bangladesh.
- Actively participated in organizing the Sylhet Computer Fair in 2000 and 2003 as a member of organizing committee.
- Participated in the Inter-Departmental Debating Competition as a member of the team representing the department of CSE.
- Participated in many programming contests & attended workshops and seminars regarding competitive programming.

REFERENCES

Available upon request.
