

Nabil Ashab

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Research Interest

Machine Learning, Natural Language Processing, Computer Vision, Information Security, Cybersecurity, Human-Computer Interaction

Education

Khulna University of Engineering & Technology, Khulna, Bangladesh 2013-2017
Bachelor of Science (B. Sc.) in Computer Science and Engineering
CGPA: 3.01 out of 4.0, 3.51 out of 4.0 in the last 60 credits

Government Azizul Haque College, Bogra, Bangladesh 2010-2012
Higher Secondary Certificate | Science
GPA: 5.00 out of 5.00

Bogra Cantonment Public School and College, Bogra, Bangladesh 2000-2010
Secondary School Certificate | Science
GPA: 5.00 out of 5.00

Research Experience

Title: A New Method to Enhance Memory Reliability

Summary: The inspiration behind this thesis work is to reduce time and space overhead in case of Multiple Cell Upsets (MCUs). Given a string of data bits, the objective is to generate redundant bits and implement them for future erroneous bits detection and correction. The whole algorithm is an enhanced version of DMC and better than other ECC techniques. Experimental results demonstrate the effectiveness of the research work.

Publications

Priyabrota Sen, Muhammad Sheikh Sadi, Md. Manjur Ahmed and Nabil Ashab, "A New Method to Enhance Memory Reliability," in *Journal of Telecommunication, Electronic and Computer Engineering (JTEC2017)* [Accepted].

Professional Certification

- Top-up IT Training for **J2EE** (Advanced JAVA) from **LICT** | OCT-2016
- Cambridge Certification Authority – Qualification – **JAVA** | OCT-2018

Language Proficiency

- Bengali: **Native**
- English: **Fluent** (TOEFL iBT test Scores Reading:24, Listening:25, Speaking:23, Writing:24
Total:96, Test Taken on 26 May 2018)

Aptitude Test Score

- **GRE:** Quantitative Reasoning: **167** (91 percentile), Verbal Reasoning: **147** (34 percentile). Total: **314**. Analytical Writing: **3.5** (41 percentile). The test was taken on 17 April 2018

Technical Skills

- **Programming Language:** C, C++ [4 years], Java (Core and J2EE) [2 years]
- **Scripting Language:** Python, JavaScript
- **Game Engine:** libGDX, Unity
- **Web Technologies:** HTML, CSS, Bootstrap, PHP, Laravel
- **DBMS:** Oracle, MySQL
- **Software Version Control:** Git, GitHub
- **IDE:** Code::Blocks, XCode, Android Studio, Visual Studio, IntelliJ IDEA, Eclipse

Academic Projects

- **Zombie Bird | Software Development Project at KUET (2014)**
An android game inspired by Flappy Bird
Frontend: libGDX | Backend: Java
- **First Aid Kit | Software Development Project at KUET (2016)**
An android app to provide emergency medical tips
Frontend: Java, PHP | Backend: SQLite
- **Banking Enterprise**
Online banking system
Frontend: PHP, HTML 5, CSS 3 | Backend: SQL Server
- **Car racing game | Computer Graphic Laboratory Project at KUET (2016)**
An attractive 3D game
Language: C++ (OpenGL) | Tools: CodeBlocks
- **Project Gutenberg**
An E-book reader using command prompt of Windows
Frontend: C++

Related Coursework

- | | |
|--|---|
| • Computer Basics and Programming | • Data Structures and Algorithms |
| • Object-Oriented Programming | • Numerical Methods |
| • Theory of computation | • Information Security and Control |
| • Computer Networks | • Computer Graphics |
| • Database Systems | • Computer Architecture and Organization |
| • Artificial Intelligence | • Machine Learning |

Honors and Awards

- 178th position from Rajshahi board in H.S.C. examination with Merit Scholarship
- S.S.C. examination with Merit Scholarship
- Awarded from Prothom Alo (major daily newspaper) for having 8th grade Merit Scholarship
- 5th grade with Merit Scholarship
- 1st position in Wonderland Swimming Competition (2 times)

Voluntary Experiences

- **SGIPC – Special Group, Interested in Programming Contest** (May 2013 to Present)
*Conducted a number of workshops on C, C++ Programming, Data Structure, Algorithms.
Arranged and volunteered in several programming contests within the campus*
- **HACK – Special Group, Interested in Robotics**
*Conducted a project where Convolutional Neural Network was implemented by simulating the
CUDA cores of EVGA GeForce 780 workstation card*
- **Bit2Byte.KUET - An Organization to Encourage Student in Software Development** (MAY 2013 to Present)
Conducted a number of workshops on software development life cycle
- **Dream – Voluntary Blood Donation Society of KUET** (May 2013 to Present)
Organized blood grouping campaign and managed blood for poor and helpless patients
- **Event Management**
 - **National High School Programming Contest (NHSPC), Khulna (2015, 2016)**
 - **CSE Night (cultural program), KUET 2015**
 - **Lalon Shah Hall Baisakhi Mela (a traditional fair), KUET 2013**

References

Dr. Muhammad Sheikh Sadi

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