# Nabil Ashab

33, 33/1 Green Road, Green Mart Apartment-3B, Dhanmondi, Dhaka-1205
**Skype:** live:nabilashab_2, **Email:** nabilashab@gmail.com

## Research Interest

Machine Learning, Computer Vision

## 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

## Research Experience

**Title: A New Method to Enhance Memory Reliability**

**Summary:** The inspiration behind this thesis work is to reduce time and space overhead for Multiple Cell Upsets (MCUs). Given a string of data bits, the objective is to generate redundant bits and use them for future erroneous bits detection and correction. This algorithm works better and have less overhead 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

## 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 for having 8$^{th}$ grade and 5$^{th}$ grade Merit Scholarship**

## Technical Skills

- **Programming Language:** C, C++ [4 years], Java (Core and J2EE) [2 years], Python
- **Game Engine:** libGDX, Unity
- **Web Technologies:** HTML, CSS, Bootstrap, PHP, Laravel, JavaScript
- **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: Code::Blocks**
- **Project Gutenberg**
  *An E-book reader using command prompt of Windows*
  **Frontend: C++**

## 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**

## Test Scores

- **GRE: 314** (Quantitative-**167**, Verval-**147**, Analytical Writing-**3.5**) [**91** percentile on Quantitative]
  Test date- 17 April 2018
- **TOEFL: 96** (Speaking-**23**, Listening-**25**, Reading-**24**, Writing-**24**)
  Test date- 26 May 2018