MUHTASIM NOOR ALIF

Contact Information

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Research Interests

- Data Mining
- Computer Security
- Machine Learning
- Deep Learning

Other Skills

- Communication
- Team Work
- Quick Learner
- Detail Oriented

TECHNICAL SKILLS

Programming Languages	C, C++, Java, Python, Javascript, HTML/CSS, Bash, Assembly (8086)
Tools	Git, Wireshark, LaTex, Atmel Studio, Logisim, Proteus, Cisco Packet Tracer, Network Simulator (NS3), Autopsy
Database	Oracle, Postgresql, MongoDB, MySQL, SQLite
Framework	Django, NodeJS, ReactJS, Express, Tensorflow, PyTorch

EDUCATION

2018-Present	**B.Sc in Computer Science and Engineering** Bangladesh University of Engineering and Technology (BUET), Dhaka *CGPA : 3.76 / 4* (Upto Level-4, Term-1)
2017	**Higher Secondary School Certificate** Notre Dame College, Dhaka *GPA : 5 / 5*
2015	**Secondary School Certificate** Ideal School and College, Dhaka *GPA : 5 / 5*

RESREARCH

- Currently doing thesis on crime prediction models under Professor Dr. Tanzima Hashem   *(Data Mining, Machine Learning)*

- Worked with Professor Dr. Mohammad Mahfuzul Islam on Steganography   *(Computer Security)*

SOME PROJECTS

Bookflix	"Developed a subscription based book reading system"	*MongoDB, Express, NodeJS, ReactJS*
ManageCasa	"Developed an Apartment Management System"	*Django, SQLite*
Wireless Network Simulation	"Built and simulated wireless adhoc networks, Worked on TCP-Vegas algorithm"	*Network Simulator (NS3)*
C compiler	"Built a C compiler from scratch"	*Yacc, Bison*
XV6	"Implemented IPC, Scheduling, Memory Management"	*xv6 operating system*
IMDB	"Developed a movie recommendation system like IMDB"	*Django, Oracle*
8 bit MIPS	"Built an 8 bit MIPS processor"	*Logisim, Hardware*
Computer Graphics	"Implemented Raster Based Graphics Pipeline, Ray Tracing"	*OpenGL, C*
Smart Health Tracker System	"Built a health tracker system with microcontrollers and hardware"	*Atmega, Arduino, Atmel Studio, Sensors*
ChemELoan	"A transaction management system (Under development)"	*Django, Postgresql*