S Mahmudul Hasan

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EDUCATION

Syracuse University   **Syracuse, NY**
Ph.D. in Computer and Information Science   *2021 - 2025 (Expected)*
CGPA: 4.00/4.00

Bangladesh University of Engineering and Technology   **Dhaka, Bangladesh**
B.Sc. in Computer Science and Engineering.   *2014 - 2018*
CGPA: 3.65/4.00

WORK EXPERIENCE

Syracuse University   **Syracuse, NY**
Graduate Student Researcher   *2021 - Present*
- *Currently working on several research projects in the areas of systems, software testing, IoT, and Android.*

Eastern University   **Dhaka, Bangladesh**
Lecturer   *2020 - 2021*
- *Instructed courses (including labs) on Structured Programming Language, Compilers, and Algorithms.*

Canadian University of Bangladesh   **Dhaka, Bangladesh**
Lecturer   *2019 - 2020*
- *Instructed courses (including labs) on Structured Programming Language, Compilers, Computer Networks, and Android Native Development.*

SKILLS

Programming Languages: *C/C++ , Python, Java, LATEX, HTML, Dart*
Database: *MySQL, SQLite, Oracle*
Machine Learning: *Keras, PyTorch, Scikit-Learn, Pandas, Numpy, Scipy*
Software & Tools: *Android SDK and NDK, Git, Ionic, JavaFX, Flask, Tkinter, Firebase API*

AWARDS

University Fellowship   **Syracuse University**
- *Received the prestigious "University Fellowship" for pursuing my Ph.D. at Syracuse University for two consecutive years.*

Dean's List   **Bangladesh University of Engineering and Technology**
- *Received the prestigious "Dean's List" award for outstanding academic results.*

SELECTED PROJECTS

Custom Survey Tool
- *Designed and implemented a custom survey tool for performing surveys on Amazon Mechanical Turk using Firebase APIs as the backend and Flutter as the frontend.*

Image Data Collection and Labeling System
- *Designed and implemented an image data collection and labeling system for research purposes using the Ionic framework as the frontend (android) and Python Flask as the backend.*

BrackFire
- *Designed and implemented a fire service calling and tracking application for Android devices using Firebase, GoogleMaps, and FCM APIs.*

FileShare
- *Designed and implemented a two-part system for file sharing among Windows, Android, and Linux devices using a common Wifi network using JavaFX and Android SDK.*