

Sayma Sultana

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Education

- **Wayne State University**
◦ *Ph.D. in Computer Science , advised by Dr. Amiangshu Bosu* September 2020- present
- **Bangladesh University of Engineering & Technology**
◦ *B.Sc. in Computer Science & Engineering* 2012–2017

Technical skills

- **Programming Language & Database:** Java, C++, Python, Assembly Language , BASH, Latex, UML, HTML, CSS, MySQL, JavaScript
- **Development environment & Operating Systems:** Android Studio, Unity, Netbeans, Windows, Ubuntu

Projects

- **Environmental Sound Classification(Python, Neural network)** I have classified ESC-50 dataset using Neural Network and Convolutional Neural Network and found accuracy 34.36% which is higher than baseline implementation .
- **DIY video website(MySQL, JavaScript)** Designed and implemented a database system for a website of DIY videos where users can sign up, post videos from youtube and also post reviews for videos. Administrator can check user activities and DIY videos' status.
- **Tile Matching(Assembly Language)** A board game using Assembly Language. There were multiple blocks of same colour which were turned off. One has to guess and click any two blocks of same colour just one after another to earn point. Here, main challenging part was to implement the logic in assembly language.
- **Hotel Management System(Oracle, PHP)** A complete management system for visitors and administration of a hotel. Visitors could search for different types of rooms according to convenience and budget. Administrators could allocate rooms and get information of their customers.

Employment

- **Reve Systems** March 2017– April 2019
◦ *Software Engineer*
I worked as an android application developer and successfully delivered three VOIP based dialer Mobigap,Teleport Communicator and KloudTalk to Russia, Tajikistan and India. My responsibility included developing new features for instant messaging e.g. broadcast messaging, designing UI/UX, REST API integration and integrating latest architectural components e.g. Room Database to codebase.

Publication

- **Exploring Smart Home Device Use by Airbnb Hosts**
◦ *R Dey, S Sultana, A Razi, P Wisniewski*
Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems, Honolulu, USA, April, 2020

Achievements

- 1st Runner-up in Engineering Olympiad of Womens' Engineering Congress, Bangladesh, 2016