

MD. ARAF HASAN

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CARRIER OBJECTIVE

Willing to be a part of an organization where I can learn, develop and deploy my skill in the fourth generation industry revolution.

LANGUAGE, FRAMEWORKS, TOOLS AND PROGRAMMING SKILLS

- C#, Java, PHP, C/C++
- Data Structures
- Algorithms
- ASP.NET Core MVC
- JavaScript, AJAX, JSON
- TypeScript
- Angular
- Web API
- OOP
- Design Patterns
- SOLID Principle
- Unit Test
- MS SQL Server
- Entity Framework
- Worker Service
- Containerization (Docker)
- AWS
- EC2 Machine, AMI
- Load Balancing and Auto Scaling
- S3 Bucket
- Version Control using Git Flow (github)
- Visual Studio 2019
- Visual Studio Code
- Eclipse
- IntelliJ IDEA
- SQL Server Management Studio

PROJECTS

Flex Keyboard

This is a tool that makes the use of computer for handicapped people more easy and comfortable. Any handicapped people who could not type with their paralyzed hand they simply wear a hand gloves (integrated with flex sensors) and they can type in this application by flexing their fingers only. This application can read the fingers flexing movement of the user and make type of characters in the application window.

- **Technology/Tools:** Java, Using Thread technique to detect movement of each fingers.
- **Awards:** This project gained 1st position on University Department project show casing day on Microcontroller, Microprocessor and Interfacing category. This project also got place github code vault program 2020.

Link: https://github.com/araf-15/Flex_Keyboard.git

Awaz

It is a website that I built with PHP. This is a blog website. People can come here and see the latest news. This site has a good and strong Admin Panel. Authors and Login their respective account and post their views or knowledge.

- **Technology/Tools:** PHP, JavaScript, JQuery

Link: <http://awaz.unaux.com>

DevTrack

At present, I am working with a group of professionals and new bee programmers where we are trying to make a tool like Top Tracker. This tool can track all the activity of a user and can make a report to trainer. This tool is building to track all the activity of the students. In this pandemic situation, this type of tool is too much needy as many institutes operate their educational activity online. We are making this tool for an online training institute “DevSkill”.

- **Technology/Tools:** ASP.NET core 3.1, Worker Service, Entity Framework, SQLite

EDUCATION

Bachelor in Computer Science & Engineering

United International University

June 2015 – August 2020

- Participated in various workshop arranged by Computer Club
- Worked on different type of projects with teammates and individual on different courses.
- Took participation on all departmental project show day.
- Worked on a project that was gain 1st place on a project show day.
- Worked to implement final year project and found many good deeds on that required area.
- Our findings make a good impact on that research area and the thesis paper was accepted by IEEE Xplore.

BACHELOR THESIS

Title: “A Spell-checker Integrated Machine Learning Based Solution for Speech to Text Conversion”

That proposed project has good findings on training data set. We succeed to find some major issues to train a model for Bangla language, which was not found previously also improve 48% accuracy to convert a text from speech after integrating spell-checker methodology.

Supervisor: Md. Adnanul Islam, Lecturer
Department of Computer Science & Engineering
United International University

PUBLICATIONS

Conference paper title: “**A Spell-checker Integrated Machine Learning Based Solution for Speech to Text Conversion**” is accepted in 3rd International Conference on Smart Systems and Inventive Technology (ICSSIT 2020) organized by Francis Xavier Engineering College, Tirunelveli, India on 20-22, August 2020.

<https://ieeexplore.ieee.org/document/9214205>

PROFESSIONAL TRAINING

Full Stack ASP.NET Core MVC Web Development Course at Dev Skill

Contents: ASP.NET Core, Web API, Entity Framework, Unit Test, OOP, Worker Service, Docker, AWS

Duration: 6 months

Project: DevTrack

PERSONAL TRAITS

- Eager to learn something new
- Ability to work as an individual as well as with team.
- Adaptability

INTRESTED AREA

- Software Development
- Web Application Development
- Game Development

REFERENCE

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CEO, Dev Skill

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