Md. Abu Shahan

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❖ OBJECTIVES

To Work in a meaningful and challenging position that enables me to develop myself as a professional and permit scope for advancement.

❖ EDUCATION

North East University Bangladesh, Sylhet
BSc. (Engg.) in Computer Science & Engineering (2017-21)
Obtained CGPA: 3.43 (scale 4.00)

Sylhet Govt. College, Sylhet
Higher Secondary Certificate 2016
Obtained GPA: 4.42 (scale 5.00)

Raja G.C. High School, Sylhet
School Secondary Certificate 2014
Obtained GPA: 4.81 (scale 5.00)

❖ SKILLS

Programming Language: C, C++, Java, Python, PHP, JavaScript
Database: MySQL
Version Control: GitHub
System: Windows

❖ ACHIEVEMENTS

- Participated in ACM ICPC Dhaka Regional Site, 2018
- Participated in LU CSE Carnival Inter University Programming Contest, 2019
- Participated in SUST Inter University Programming Contest, 2019
- Champion (Programming Contest) at NEUB Intra Department ICT Fest, 2018
- Runner (Idea Contest) Up at NEUB Intra Department ICT Fest, 2018
- 3rd Position (Project Showcasing) at NEUB ICT FEST, 2019
- Participated in NEUB ICT FEST, 2019
- Participated in NEUB Junior Inter University Programming Contest, 2017
- Also participated many on-site contests organized by NEUB CSE Society.

❖ ACADEMIC PROJECTS

Using Q-Learning Finding Shortest Path
The main goal of this project to find path from random starting point to specific end point.
Project Link: https://github.com/md-abu-shahan/Using_Q_Learning_Finding_Shortest_Path

Double-A
This is a Web-based project that is like e-commerce software.
Built in HTML, CSS, JavaScript, bootstrap and PHP
Database: MySQL
Project Link: https://github.com/md-abu-shahan/Double-A

Reinforcement-learning-for-Flight-Ticket-Pricing
We prepared a method to mining the air fare data using Q-Learning algorithm. We also prepared another method using Deep Q-Network. Both of models can predict the optimal time to buy the air tickets.
Project Link: https://github.com/md-abu-shahan/Reinforcement-learning-for-Flight-Ticket-Pricing

Geometry Shape Detector
This project is simple; we are building a simple "Geometry shape detector" which is identifying shape such as circle, rectangle, triangle, straight line and so on.
Project Link: https://github.com/md-abu-shahan/Geometry-shape-detector

Music Player Using OpenCV
It is a desktop application where it can processes image and detect any human interaction and play music according to the command. The controlling process also can be done by manual interaction.
Project Link: https://github.com/md-abu-shahan/Music-player-using-openCV

Map Coloring
It is an artificial Intelligence project about coloring a map using minimum number of colors.
Project Link: https://github.com/md-abu-shahan/Map_Coloring

Smart Assistance
It is a simple desktop software that works as a personal assistant. Through this, anyone can ask for help and it helps just like a regular assistant helps a person. This project for calculating any Arithmetic Problem, save something into the assistant, for forget what you saved Use any kind of question. Search any kind of word that you want to know about.
Project Link: https://github.com/md-abu-shahan/smart-assistance

Student Help Desk Technician
Student help desk technician is optimized for course registration and student results.
Built in HTML, CSS, JavaScript and PHP
Database: MySQL
Project Link: https: https://github.com/md-abu-shahan/Student_Help_Desk_Technician

Pharmacy Management System
It is a web based project for helping pharmacist and keeps the records of all the document.
Built in HTML, CSS, JavaScript and PHP
Database: MySQL
Project Link: https: https://github.com/md-abu-shahan/pharmacy_management_system

BD Builders
It is a web-based project. This Project is that Find a better job search and apply for your perfect job.
Built in HTML, CSS, JavaScript and PHP

Database: MySQL
Project Link: https: https://github.com/md-abu-shahan/BD_Builders

8 Puzzle
Basically this is 8 puzzle solver. Using DFS algorithm.
Project Link: https://github.com/md-abu-shahan/Map_Coloring/blob/main/another/8_pazzle.py

Other Java Projects
Developed many small applications during java course like CGPA Calculation, Calculator App etc.
Project Link: https://github.com/md-abu-shahan/Some_Simple_Java_Project

❖ PROBLEM SOLVING ARENA

- Codeforces: Solved 550+ problems by carrying handle shahan_shah
- Lightoj: Solved 70+ problems by carrying handle shahanahmed6
- UVa Online Judge: Solved 70+ problems by carrying handle shahan_shah
- Leetcode: Solved 50+ problems by carrying handle shahan_shah
- Hacker Rank: Solved 50+ problems by carrying handle shahan_shah
- Participated several online programming contest on Codeforces (120+ times), Lightoj, Toph, Virtual Judge, Codechef, Codeforces, CodeChef, Spoj.
- Besides, overall solved 1000+ different problems on many other online and offline judges.

❖ EXTRA CURRICULAR ACTIVITIES

• Taken 10+ workshops on NEUB ACM Training Camp.
• Organized 5+ Onsite Programming Contest in NEUB.
• Set many programming problems for NEUB onsite contest

❖ PERSONAL INFORMATION

Father Name: Abdul Mannan
Mother Name: Sufia Khatun
Date of Birth: 07 March 1999
Marital Status: Single
Nationality: Bangladeshi
Religion: Islam
LinkedIn: https://www.linkedin.com/in/abu-shahan-b52414179
Phone: +8801703844436
Present Address: Lamapara, Mohini-509, Shibgonj Bazar, Sylhet.
Permanent Address: Shat Villa, Hashampur, Muglabazar, Sylhet.
Hobby: Visiting new places.