

# RIFAT AREFIN

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## CAREER OBJECTIVE

To use my in-depth expertise and enthusiasm for computer science and engineering to help students through mentorship and high-quality instruction. To improve the academic programs and better equip students for fruitful careers in the sector, I hope to share my expertise in curriculum creation, research, and innovation as well as develop my technical knowledge and skills on Computer Science.

## PROFESSIONAL EXPERIENCE

### Software Engineer I

*Brain Station 23 PLC.*

March 2024 – Present

Dhaka, Bangladesh

- Developed various client websites
- Developed various plugins for LMS
- Skills: PHP, Python, Laravel, Django, WordPress

## EDUCATION

### Bachelor of Science in Computer Science

*Khulna University of Engineering & Technology*

CGPA – 3.81 / 4.00

2019 – 2024

### Higher Secondary School Certificate

*Notre Dame College, Dhaka*

GPA – 5.00 / 5.00

2016 – 2018

### Secondary School Certificate

*Monipur High School & College*

GPA – 5.00 / 5.00

2006 – 2016

## RESEARCH AND PUBLICATIONS

### An Analysis on Structural MRI Images for Better Alzheimer Disease Detection using Deep Neural Networks | Deep learning, CNN, Python, Tensorflow, OpenCV

January, 2024

The objective of the research work is to classify different stages of Alzheimer's Disease from structural MRI using CNN based model. This research work has been presented in the International Conference on Computing Advancements (ICCA), 2024.

## MAJOR PROJECTS

### motoXchange | PHP, HTML, CSS, JavaScript, MySQL | [Project Link](#)

January, 2025

A web platform where people can buy, sell and exchange their used cars. It is developed using HTML, CSS, JavaScript and PHP without using any framework.

### Service-Now | Flutter, Dart, Google Map API | [Project Link](#)

September, 2022

This is a dynamic service application. In this project, there are several providers who provide services in response to service call from customers. The location of service seeker and the provider

### Mahjong Tiles | Python, Tkinter | [Project Link](#)

June, 2023

This is a game project developed in python. This is a two players game project. User can play with computer as well. Computer moves are determined by minimax algorithm and alpha-beta pruning.

### 3D food court design | C, OpenGL 3.3 | [Project Link](#)

November, 2023

Computer Graphics project in OpenGL that incorporates the basic theories of Computer Graphics. This project reflects a 3D design idea of a food court that comprises different shops selling varieties of foods and open space for customers to sit down and enjoy their times.

## TECHNICAL SKILLS

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- **Programming Languages:** C, C++, PHP, HTML, CSS, JavaScript, Python, Java
- **Web App Development:** Laravel, WordPress, Moodle
- **Mobile App Development:** Android Studio, Flutter
- **Other tools and frameworks:** MySQL, Git & Github, OpenCV, Tensorflow, OpenGL

## PROBLEM SOLVING ACHIEVEMENTS

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Solved 1200+ programming problems and participated onsite and online programming contests.

- **Codeforces:** [3\\_aRrIeFfAiTn\\_2](#), **Max Rating 1370**, Solved 800+ problems
- **AtCoder:** [RifatArefin32](#), Solved 200+ problems.
- **LeetCode:** [RifatArefin32](#), Solved 150+ problems.
- **LightOJ:** [rifat\\_arefin32](#), Solved 50+ problems.

## ACHIEVEMENTS

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- **DEAN's Awards, Faculty of EEE,** Session 2019-20, 2020-21 and 2021-22
- **KUET Technical Scholarships,** Session 2019-20, 2020-21 and 2021-22
- **Best Team from 2k18 Batch, position-11,** Intra KUET Programming Contest 2022
- **Board Scholarships,** Dhaka Education Board

## EXTRA CURRICULAR ACTIVITIES

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- **Workshop Manager,** Hardware Acceleration Club of KUET (HACK)
- **Joint Secretary,** Bit2Byte (Research & Development Club of KUET)
- **Senior Mentor (Boys),** Special Group Interested in Programming Contest (SGIPC)

## PERSONAL INFORMATION

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- **Father's Name:** Md. Ali Haider
- **Mother's Name:** Manija Haider
- **Date of Birth:** 04 March, 2000
- **Gender:** Male
- **Marital Status:** Unmarried
- **Religion:** Islam
- **Nationality:** Bangladeshi
- **Permanent Address:** Vill: Anupampur, P.S. + P.O.: Charchhat, Dist.: Rajshahi
- **Present Address:** Road-1, House-2, Block-F, Mirpur-2, Dhaka-1216
- **Language:** Bengali, English

## REFERENCES

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### Dr. Sk. Imran Hossain

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Khulna University of Engineering & Technology  
(KUET)

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