

# Rafid Farhan

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[Github](#) | [Linkedin](#)

## EDUCATION

### BRAC UNIVERSITY

BSc in Computer Science and Engineering

2018-2022 | Dhaka, Bangladesh  
CGPA: 3.76 / 4.0

### MANARAT DHAKA

Cambridge A level

2015-2017 | Dhaka, Bangladesh  
GPA: 4 / 5

### MANARAT DHAKA

Cambridge O level

2015 | Dhaka, Bangladesh  
GPA: 5 / 5

## COURSEWORK

### UNDERGRADUATE

Programming Languages  
Data Structures  
Algorithms  
Artificial Intelligence  
Software Engineering  
System Analysis and Design  
Complex Variables and Laplace Transformations  
Linear Algebra and Fourier Analysis  
Numerical Methods  
Computer Graphics  
Database Systems  
Automata and Computability  
Operating Systems  
Compiler Design (and others)

## SKILLS

### PROGRAMMING

Adept:

Java • Javascript • Python

Familiar:

Typescript

### WEB DEVELOPMENT:

Adept:

React JS • HTML/CSS • Redux  
Node JS • Express JS • MySQL  
MongoDB

### MISCELLANEOUS SKILLS:

Adept:

LaTeX • Git • MS Office  
Adobe Illustrator • Adobe XD

## CAREER OBJECTIVE

I intend to work in a challenging and competitive environment where I would have the most opportunities to develop myself. I am ready to coordinate in a group environment and eager to work on interesting projects/research to learn and nurture my craft and character.

## EXPERIENCE

### MENTORS' | IELTS Instructor

Oct 2022 – Present | Dhaka, BD

- Conducting classes and preparing candidates for their IELTS examination.
- Evaluating assignments/homework and clearing confusions of students.
- Prepare class content and materials.

## RESEARCH

### THESIS AS PART OF THE UNDERGRADUATE DEGREE

Spring 2021 – Fall 2021 | BRAC University, BD

Worked under the supervision of **Ahahanaf Hassan Rodoshi** in the research titled '**Towards devising an effective and reliable means of fish detection and classification through the exploration of various deep learning algorithms.**'

Thesis work on deep learning CNN algorithms such as VGG-16, DenseNet-121, Xception, YOLOv4 in the context of fish detection and classification in order to monitor particular marine fish habitat changes.

- Performed critical review of previous literature on similar topics.
- Performed background analysis of different CNN architectures.
- Collected around 4000 images for our image-based datasets and preprocessed the data appropriately.
- Graphical analysis and comparison of the performances of different algorithms performing the same classification task.
- Successfully defended thesis in the Fall of 2021.

## PROJECTS

### EMPLOYEE MANAGEMENT SYSTEM | Software Architecture

Java, MySQL

Implemented the MVC software architectural pattern to an already existing Employee management system project and improved the project further by adding different test cases.

### NIGHTS WATCH

React JS, React-Bootstrap, Material UI, The Movie DB API

A Movie and TV series information website with search, pagination, and other associated functionality. Developed the complete front-end of the website.

Code repository- <https://github.com/rafidfarhan/NightsWatch>

### SONGBIRD BACKEND API

Node JS, Express JS, MongoDB

A Backend API for a music website with users, authentication, and other music information-related functionalities.

Code repository- <https://github.com/rafidfarhan/SongBirdApi-v1>

## TEST SCORES

### IELTS

Overall: 8.0

Reading: 9.0 Listening: 9.0

Writing: 7.0 Speaking: 7.5

Test date: 11th June 2022

## ONLINE COURSES

### PYTHON FOR EVERYBODY SPECIALIZATION (5 COURSES)

Platform: Coursera

Offered by: University of Michigan

Instructor: Dr. Charles Severance

## REFEREES

### AHANAF HASSAN RODOSHI

Lecturer

Department of CSE

BRAC University

Relation: Thesis Supervisor

Email: ahanaf.hassan@bracu.ac.bd

### ESFAR-E-ALAM

Lecturer

Department of CSE

BRAC University

Email: esfar.alam@bracu.ac.bd

### SALMAN SAYEED KHAN

Lecturer

Department of CSE

BRAC University

Email: salman.sayeed@bracu.ac.bd

### SOCIAL MEDIA API

Node JS, Express JS, MongoDB

Developed backend API for a social media website with users, authentication, and other user profile-related functionalities. Code repository-  
<https://github.com/rafidfarhan/SongBirdApi-v1>

## AWARDS/SCHOLARSHIPS

2020-2021	Merit Scholarship based on BracU Academic results
2016	The Daily Star National award for outstanding results