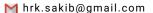
# MD. SAKIB KHAN

### COMPUTER ENGINEER



in md-sakib-khan

Portfolio



MdSakibKhan



BRAC University 2017-Present

B.Sc in Computer Science & Engineering (CSE)

• CGPA: 3.56 / 4.00, Computer Science average GPA: 3.76 / 4.00

 Relevant Coursework: Object Oriented Programming, Data Structures, Algorithms, Artificial Intelligence, Database Systems, Software Engineering, System Analysis & Design, Android Development, Operating Systems, Computer Architechture, Numerical Methods, Computer Interfacing, Computer Networks, Thesis & Project.

Uttara High School & College

Class of 2016

Expected Graduation: May, 2021

HSC . Science

• GPA: 5.00 / 5.00



FeedTech Automation 2020-Present

AutoCAD Designer . Part Time

• Designed Machines and workflow in AutoCAD.

Assisted in making quotations and communicating with clients.

# THESIS EXPERIENCE

Affective state recognition through analysis of EEG signals by using Extreme gradient boosting | Link 2020-2021 Responsibilities:

• Analyzed EEG Signals and performed Pre-processing, Feature engineering to determine the dimensions of emotions.

- Applied Machine Learning, Neural Network algorithms such as SVM, XB Boost, Sequential model using Python.
- Achieved mean accuracy of 95.174%, 87.456%, 84.541% for arousal, valence and dominance respectively.
- Used Overleaf LateX editor for preparing the overall report as well as the organized IEEE version of the report.

# PROJECT EXPERIENCE

## Order Management System | React JS Project | Link

2021

Technologies used: JavaScript, React framework, Firebase

- Designed an admin panel for managing new orders, pending orders and completed orders.
- Used firebase realtime database for data storage and deployed build version to Github.

### Online Tutor App | Android Project | Link

2020

Technologies used: Android Studio, XML, Java, Firebase

- Built registration function for students and tutors with a friendly UI in the application.
- Developed tuition search and post functionality for the existing registered users.

### Student Aid System | Software Engineering Project | Link

2019

Worked On:

- Student friendly system to get notes and thesis suggestions.
- Prepared SRS Report, containing multiple Viewpoints, elicitation, Use case, class based modeling, functional and non functional requirements, risk analysis.

## Affordable product searching System | System Analysis Project | Link

2019

Technologies Used: JAVA, JAVAFX, MySQL, XAAMP

- Created desktop application for finding quality items with lowest price and distance.
- Completed system analysis such as System request (Business need, Business Value, Requirements), Use case, Class diagram, Sequential diagram, Activity diagram, ER diagram

## Travel Management System | Database Systems project | Link

2019

Technologies used: HTML5, CSS3, PHP, MYSQL, XAAMP

- Created User friendly ticket booking system for any destination.
- Developed admin friendly interface to manage bookings.

# TECHNICAL SKILLS

**Programming Languages:** Java, Python Python, Matlab Data Science:

Web Development: HTML5, CSS3, Bootstrap, JavaScript, jQuery, React JS

Android Development: Java, Android Studio MySQL, Firebase Database:

Programming IDE: Eclipse, Netbeans, Intellij idea, Pycharm, Visual Studio Code

**Documentation:** Latex, Overleaf

Microsoft: Word, Power Point, Excel



# **CERTIFICATIONS**

#### **EDX**

- Python For Data Science | IBM
- Programming For the Web with Javascript | PENNX

#### Coursera

- Programming for Everybody (Getting Started with Python) | University of Michigan
- Python Data Structures | University of Michigan
- Introduction to HTML5 | University of Michigan
- Introduction to CSS3 | University of Michigan
- Interactivity with JavaScript | University of Michigan



# ONLINE PROGRAMMING

#### URI Online

• 168 Problems Solved in Java



## PERSONAL INFORMATION

Date of birth: 22/08/1997 Nationality: Bangladeshi Father: Md. Abdul Kadir Khan Mother: Mrs. Khadiza akter

Blood group: B+

Sex: Male Religion: Islam

Marital status: Single



# REFERENCES

### Md. Golam Rabiul Alam, PhD

Associate Professor **BRAC** University Dhaka, Bangladesh

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