

# NISHAT MD. R. RAFI

## CONTACT

 Biomedical Engineer

 +8801789676505

 r.rafi1615005@gmail.com

 Portfolio-Site

 LinkedIn

## OBJECTIVE

Well-qualified Biomedical Engineer experienced in Front End and Full Stack Development and also AI. Familiar with wide range of programming utilities and languages. Knowledgeable of Signal and Image processing with full stack development requirements. Handles any part of process with ease. Collaborative team player with excellent technical abilities offering almost 1.5 years of related experience.

## SKILLS

- Language : Python, JavaScript, Typescript
- Front-End : HTML, CSS, Sass, React, Redux-Toolkit
- Back-End : Node, Express, Django
- Database : SQL, MongoDB
- Familiar-with : NextJS, JWT, Git & GitHub, Jest, MUI
- Data-Analysis : ML, DL

## INTERESTS

- Front-End Development
- Full-Stack Development
- Artificial Intelligence
- Deep Learning

## REFERENCE

- **Dr. Muhammad Sheikh Sadi - Professor**  
Department of Computer Science and Engineering

Khulna University Of Engineering and Technology  
sadi@cse.kuet.ac.bd

- **Amit Dutta Roy - Lecturer**  
Department of Biomedical Engineering

Khulna University Of Engineering and Technology  
amit@bme.kuet.ac.bd  
+8801521543346

## EDUCATION

**Khulna University of engineering and technology** 2022  
BSc  
3.54

**Rajshahi New Gov. Degree College** 2016  
HSC  
GPA-5

**Niamatpur Bohumukhi High School** 2014  
SSC  
GPA-5

## EXPERIENCE

**BinanceSignalBot** 19-6-22 - 19-8-22  
Intern

- Collect Real time data
- Develop a bot

**Freelance**  
ML engineer

- Preprocessing of different kinds of structured and non structured data
- Building machine learning models
- Building deep learning models

## PROJECTS

**Admin dashboard**

- Admin UI built-in React
- Front-End: React, Sass

**Pizzarela**

- Pizza ordering App
- Products, Orders, Cart
- Front-End : Nextjs

**SayHi**

- Social media UI
- Make post UI
- Front-End : React, Material UI

**Millionaire-App**

- Millionaire quiz app.
- Front-End : Reactjs

**Storiana**

- Online store UI
- Advance Shopping Cart
- Front-End : React, Typescript

**MediEye**

- Medical Imaging Instruments selling site
- User authentication using firebase
- User can place order
- Admin can manage orders
- Front-End : React and React Bootstrap
- Back-End : Node JS, Express JS, Mongo DB, Firebase.

### **Classification of ECG beats**

- Denoising ECG signal
- Extract Feature from ECG signal
- Classification of ECG beats

### **lot based safe blind navigation**

- lot based glass for safe navigation of visually impaired person.
- It can detect person chair, table, washroom, currency.

### **lot based smart patient monitoring**

- Patients psychological parameters (temperature, heart rate) is determined using different sensors.
- The data is send to cloud
- This data is also used to determine patients condition.
- Emergency service is provided using patients condition.

### **ECG acquisition system**

- Acquisition of ECG signal using Arduino and Digital filters

### **Digital Stethoscope**

- Acquisition of heart sounds digitally using Arduino and Digital filters

### **Leukemia Cell classification**

- Classify different leukemia cells of the body using CNN

### **Stroke prediction**

- Analysis stroke prediction data
- Prediction of chance of stroke

### **Earthquake Data Analysis**

- Analysis of Earthquake data for visualization

### **Baseline Wondering Removal From ECG signal**

- Baseline Wondering remove from ECG signal using wevlet filters.

## **LANGUAGE**

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### **Bengali**

Native

### **English**

Good

### **Hindi**

Communication