

MUHAMMAD RIFAT ISLAM

Software Developer

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[Md-Rifat-Islam](#)

WORK EXPERIENCE

Intern, Industrial Training

Bangla Fire Solution Ltd

Jan 2022 - Feb 2022 Mirpur DOHS, Dhaka

- Worked with Machine Learning through Chatbot Development.
- Gathering sound knowledge about business and marketplace.
- Strong skill in soft skills .

PROJECTS EXPERIENCE

Design & Develop of a Chatbot for Diabetes Patient Prescreen

- Chatbot using Deep Learning (ANN)
- Doctor & Diabetes Patient Conversation
- Body Measurements by sensors
- Raspberry-Pi & Digital Screen

Health AI: A personal Healthcare Companion

- Microsoft Azure Chatbot
- Inferredata Dataset
- Flutter (Dart)
- Body Measurements by sensors
- Arduino, ESP-32
- Firebase

YouTube News Summarization using Google-T5 and SpaCy

- Youtube News Summarization
- Deep Learning
- Google-T5 (Text-to-Text Transfer Transformer)
- NPL (SpaCy)
- Comparison
- ROUGE Score

Social Media Monitoring for Disaster Alert and Location Detection

- Deep Learning (LSTM & BERT)
- Disaster Tweets Dataset
- Web Scraping
- Location Detection (SpaCy)

TCB-Goods-Distribution-System

- Goods Distribution System
- Backend, SQL
- Oracle
- php
- HTML, CSS, Bootstrap
- Javascript

Inventory_SSD

- Inventory Management System
- Object Oriented Programming
- JAVA
- Netbeans

EXTRA CURRICULAR ACTIVITIES

Executive Director, Event Management

MIST Computer Club

Mar 2023 - Mar 2024 Mirpur Cantonment, Dhaka-1216

- Independence Day Programming Contest Volunteer.
- National Collegiate Programming Contest 2020 Volunteer.

Vice President, HR Management

MIST Cyber Security Club

April 2023 - Mar 2024 Mirpur Cantonment, Dhaka-1216

- MIST Leetcone 2023 volunteer
- Flaghunt volunteer.

EDUCATION

B.Sc in Computer Science & Engineering (CGPA: 3.46)

Military Institute of Science & Technology

Jan 20 - April 24 Mirpur, Dhaka

ACHIEVEMENT

5th position in IDPC
In Independence Programming Contest achieved 5th position over 60 teams.

Selected in Microsoft Founders Hub
Our project 'Health AI' has been selected for Microsoft Startup.

Participate all Preliminary Contests
Participate in every IUPC, NCPC, and ICPC preliminary programming competition during your academic career.

RESEARCH WORKS

Published

ROUGE Score Analysis and Performance Evaluation Between Google T5 and SpaCy for YouTube News Video Summarization | [PDF](#)

- Accepted in the 26th International Conference on Computer and Information Technology (ICCIT), 13-15 December 2023, Cox's Bazar, Bangladesh.
- Tools and Techniques: NLP, Google T5 (Transformer), SpaCy, Rouge.

STRENGTHS

Class Re-Presentator C plus plus
Management OOP Data structure
Competitive Programming Python
Motivator & Leader UI / UX
Web Apps Machine Learning

REFERENCE

Asst Prof. Dr MD Akhteruzzaman

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[Military Institute of Science & Technology](#)