



Shazzadur Rahman

A meticulous and erudite catalyst with a strong passion for software and AI. acquired skills ranging from analytics and development to delivering solutions beyond technology. A smooth absorber of developing knowledge and information, seeking an opportunity to work in this software domain.

EXPERIENCE

Software Engineer (Front-End)

BIZDATA INSIGHTS | October, 2022 – Present

- Building and developing web applications using ReactJS and NextJs.
- Maintaining and developing admin portal that controls users and other features.

Software Engineer - Intern

BIZDATA INSIGHTS | June, 2022 – September, 2022

- Integrated RESTful APIs using FASTAPI, used JWT for authorization and connected to the Client side.
- Designed websites using HTML, CSS and Javascript.
- Maintained code structure and refactored code as much as possible.
- Completed maintenance on existing products.

Data Artist (Associate)

Adiva Graphics | March, 2022 – May, 2022

- Analyze data and place it into various charts.
- Ensure the final data output is accurate to ensure the main objectives of the project are met.

Data Science Internship

Datamites, India (Online) | November, 2021 – February, 2022

Responsibilities:

- Data extraction, analysis and visualization.
- Data cleaning and manipulating to gather useful insights and patterns from large structured and unstructured dataset.
- Applying statistical analysis and machine learning methods for data mining, feature engineering, bias correction and prediction.
- Model evaluation.

PROJECTS

Official project:

- **Biztrade**—It's going to be a B2B platform designed to connect businesses with their ideal partners, building beneficial collaboration and driving growth. (On going)
 - Website link: biztradebd.com

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- <https://github.com/shzzd?tab=repositories>

SKILLS

Technical skills:

- **Language:**
Python, Java, JavaScript, C
- **Query Language:**
MySQL, MongoDB
- **Web Development Tools:**
ReactJS, NextJs, FastAPI, Selenium, Git
- **Machine Learning:**
Regression, Classification, Clustering, ANN, CNN, MLP
- **Visualization Tools:**
Tableau, MS Excel
- **Data Management:**
Exploratory Data Analysis, Feature Engineering
- **Data Science Libraries:**
Numpy, Pandas, Matplotlib, Scikit Learn, Keras, TensorFlow

Non-technical skills:

- Good analytical and critical thinking ability
- Aware of new trends and like to keep up with them
- Strong communication skills.
- Good teamwork skills

TRAINING AND CERTIFICATES

- **Data Terminal**—The application has been built to visualize all economic, industry and business data.
 - Website link: data.bizdatainsights.com
- **Admin Portal** —The application has been built for official use.
 - Website link: admin.bizdatainsights.com

Personal project:

- **Term Deposit Prediction**—The model is built using direct marketing campaign data from a banking institution to predict if the client will subscribe to a term deposit.
- **Customer Transaction Prediction**—The model helps to identify which customers will make a specific transaction in the future, irrespective of the amount of money transacted.
- **Spam Detection**—The system is built with Binary Naïve Bayes algorithm that can detect spam email.
- **Horse Human Image Detection**—This is a CNN based sequential model that can classify between horse and human.
- **Career Information Management System**—An application that makes it easier for the company to select the right people for the right job by taking online tests and accepting their resumes.
- **Insurance Claim Prediction**—The model is built to predict insurance claims using Random Forest algorithm.

Group project:

- **Prediction of Solar Radiation**—The system is built with a predictive algorithm ANN that predicts solar Irradiance.
- **Hospital Management System**—A web-based application that helps to maintain the hospital activities properly and easily.
- **Handwritten Digits prediction**— Build a model by analyzing and tracking the patterns of different types of digits to predict different sorts of digits.
- **Cancer Patient Detection**—The model is built with some preprocessing techniques and KNN algorithm that can detect cancer patients.

PAPER WORKS

- Automated Detection of Cardiac Arrhythmia based on a Hybrid CNN-LSTM Network
- Prediction of Solar Radiation using Artificial Neural Network

EDUCATION

North South University, Dhaka - BSc in Computer Science & Engineering,
Score - 3.05/4.00 CGPA, 2021

Bangladesh Int'l School and College, Riyadh - Higher Secondary School
Certificate, Score - 3.83/5.00 GPA, 2015

Bangladesh Int'l School and College, Riyadh - Secondary School Certificate,
Score - 4.31/5.00 GPA, 2013

Certified Data Scientist
IABAC™ Amsterdam - ongoing

Python for Machine Learning
Great Learning - 2021

Conference Presentation
IOPscience - 2020

Android App Development
certified by George Washington
University, USA - 2017

OTHER EXPERIENCE

Volunteer and photographer
ESAB Innovation Center, 2018

Event Organizer
National Robotech Festival, 2021

LANGUAGES

English	Proficient
Bengali	Native
Arabic	Beginner
Hindi	Proficient