

ARKA BARUA

DATA SCIENTIST

CONTACT



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Jamal Khan, Chattogram

EDUCATION

SSC

Chittagong Govt. High School

2014

Group: Science

GPA: 5.00 out of 5

HSC

Chittagong Govt. Model School and College

2016

Group: Science

GPA: 3.93 out of 5

BSC

North South University

2017-2022

Major: Computer Science and Engineering

Trail: Artificial Intelligence and Networks

CGPA: 3.22 out of 4

LANGUAGES

Bangla - Native

English - Good User

PROFILE

A motivated and detail-oriented computer science graduate with a solid background in data manipulation, machine learning, deep learning, and statistical analysis. Skilled with multiple data science libraries, SQL, and Python. Strong experience in feature engineering, model creation, and exploratory data analysis. Devoted to using a strong sense of problem-solving and analytical abilities to make meaningful contributions to practical tasks. Eager to contribute to creative solutions and pick up valuable data science knowledge.

TECHNICAL SKILLS

Operating System

Windows, Linux

Database/Server

MySQL, Postgres, SQL Server, MongoDB

Programming Languages and Frameworks

C++, JavaScript, Python, PHP, HTML, CSS, SQL, Scikit-learn, pandas, OpenCV, TensorFlow, React, D3.js,

PROJECTS

Music Genre Prediction - 2022

- This project aimed to predict music genres using 3-second audio clips. The project employed diverse machine learning models, with notable implementations including Cat Boost Classifier and Cross Gradient Booster. These models were carefully selected to assess their performance in genre prediction tasks.
- Project** - <https://github.com/ArkaBarua173/Music-Genre-Classification-with-Machine-Learning>

Brain Tumor Classification - 2022

- This project employs a custom CNN model and pre-trained CNN models like VGG-16, MobileNetV2, and ResNet-50 to detect and classify brain tumors in MRI images. Leveraging deep learning techniques such as data augmentation and transfer learning, an effective and efficient classification system is built for medical image analysis.
- Project** - <https://github.com/ArkaBarua173/Brain-tumor-classification>

Chronic Kidney Disease Prediction -Ongoing

- This project aims to predict chronic kidney disease from 25 features, notably blood pressure, red blood cells, and white blood cell count. This project plans to create a prediction system to identify the presence of kidney disease.