Md. Ferdous Haque

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EDUCATION

Daffodil International University   *Dhanmondi, Dhaka*
B.Sc. in Computer Science and Engineering   *2016-2020*
CGPA 3.71/4.00

PROJECTS

Blockchain – Thesis project
- A distributed Solution to exam result database security in a decentralized way
- Implemented blockchain-based database storage for the exam results in the sense of creating a tamper-proof environment for the database

Machine Learning – Book Recommender System
- Built a web app that can recommend top five books based on user's interest
- Used collaborative filtering method in three datasets and come up the solution

Machine Learning – Movie Recommender System
- Implemented a website that can read a user's input of a movie name and can recommend top 5 similar movies
- Used content based filtering method in two datasets for this project

Computer Vision – Human Posture Detection
- Detected 17 key points(coordinates) in human body through real-time video capturing(webcam)
- Used PoseNet neural network technique as a method to develop this project

Computer Vision – Face Mask Detector
- Trained two large datasets and then used machine learning approach to develop the project
- Ran a function that captures video in real-time and can tell whether a human face has a mask or not

Robotics – 360 mobile controlled freight car with a robotic hand on top
- The car is mainly built using Arduino platform
- The robotic hand can collect garbage and can put that in a bucket

Android – Etutor app
- This app can be used by the students who need teacher based on their interest
- In this app students can select their preferred subject can see teachers profile for home tutoring

Web Development – Cat Adoption website
- This is a website for adopting cat from a pool of cats
- Users can select their preferred cat based on their interest

WORK EXPEREINCE

Research Assistant – Daffodil International University   *2019-2020*
- Worked as a volunteer research assistant in my department and helped juniors in writing papers
- Worked on methods for using blockchain technology in various fields of computer science

Teacher – Janani FHB kinder Garten (owner)   *2020-2022*
- Taught students about the benefits of learning computer Science-related technology
- Organized special training for teachers about the teaching of primary level students
  to do better in PSC and JSC

TECHNICAL SKILLS

Programming Languages			**Skills**
-HTML	-JavaScript	-C++	-Web Development, Implementing Smart Contract,
-CSS	-Python	-Solidity	-Data Analysis, Machine Learning, Computer Vision

AWARDS AND EXTRACURRICULARS

Competitive Programming Contest – Obtained second position in intra-university programming contest (Problem-solving**)**

Sports – Competed for school, varsity and Upazilla level badminton tournaments and won top positions Several times

Scout – volunteered on APR scout workshop, Leader of "Green Sylhet, Clean Sylhet"   *2022-present*

Writing – Book reviews (ferdousjim.github.io/books.html), Personal blog (ferdousjim.github.io/blogs.html)