



Safaet Jaman Arman

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Objective

I am an aspiring AI enthusiast pursuing a Bachelor's degree in Computer Science, eager to contribute my strong foundation in machine learning, deep learning, and natural language processing to the dynamic field of AI engineering. I am seeking an AI engineering internship at RadicalX to gain hands-on experience and make a meaningful impact on cutting-edge AI projects.

Education

April 2019 – Present

International Islamic University Chittagong /Chattogram /Bangladesh

BSc in CSE

Technical Skills

- **Programming Language:** C/C++, Python (Proficient), SQL
- **Frameworks:** TensorFlow, Django, Streamlit
- **API:** FastAPI
- **Version Control:** Git
- **Data Science Libraries:** NumPy, Pandas, Matplotlib
- **Software Tools:** Google Colab, Visual Studio Code, Jupyter Notebook
- **Operating Systems:** Windows, Linux (Ubuntu)

Research Experience and Publications

A machine learning framework to predict antibiotic resistance traits and yet unknown genes underlying resistance to specific antibiotics in bacterial strains. (Reviewing):

- In this paper, we are improving the accuracy of the existing paper.

Problem-Solving

Competitive Programming:

- Participated in 10 competitive programming contests on platforms like Inter-University Programming Contest, and Codeforces.
- Successfully solved more than 300 problems with complex algorithms and data structures.

Kaggle Competition

- Participated in 1 Kaggle competition, including Titanic-Machine Learning from Disaster.
- Implemented machine learning models to address specific challenges and achieved rank 1003 in this competition.
- Demonstrated proficiency in data preprocessing, feature engineering, and model evaluation through Kaggle submissions.

Achievement

- **4th Place** | IIUC Intra-University Programming Contest Autumn 2020

Languages

- Fluent in Bengali (native)
- English

Projects

1. Automatic Question Generator

- **The technology used:** FastApi, Google Colab, Git

2. DevSearch – Developer Portfolio and Skill Matching Platform

- **Technology used:** Django, HTML, CSS, JavaScript, Git

3. House Price Prediction

- Individually developed a robust house price prediction model using machine learning techniques within the Google Colab environment. This project aimed to create an accurate tool for forecasting real estate prices based on a diverse dataset.

4. Face Mask Detection with CNN

- I have developed a highly accurate face mask detection model using Convolutional Neural Networks (CNN) with Google Colab as the development environment. The project focused on leveraging machine learning for public health by detecting whether individuals were wearing face masks in real-time. The dataset was directly imported from Kaggle, and Scikit-Learn was utilized for data preprocessing. This project reflects my deep learning, computer vision, and image classification expertise.

Certifications

- Supervised Machine Learning: Regression and Classification – Coursera
- Python Basics – Coursera
- Programming for Everybody (Getting Started with Python) – Coursera
- Training in writing research articles (IRIT)

Extracurricular Activities

- Former Executive Program Coordinator at IEEE Computer Society IIUC Student Branch Chapter
- General Member at the IEEE IIUC Student Branch

Personal Qualities

- Strong problem-solving skills and the ability to think creatively and analytically (Solved around 300 problems in different OJ)
- Excellent communication and collaboration skills, fostering a positive team environment.