

Arefin Ahmed

Undergraduate Student

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Undergraduate Computer Science and Engineering student with strong expertise in Python programming, machine learning, and data science. Proven ability to apply knowledge to real-world problems, with hands-on experience in event management, Project coordination, and social media strategy.

Work Experience

Admin & HR Intern (Remote) Jun 2022 - Nov 2022
Youth School for Social Entrepreneurs

- Assisted in workshops and meetings for employee development.
- Coordinated company events, improving team engagement and efficiency.

Organizing Member Feb 2022 - May 2022
Hult Prize at Daffodil International University

- Registered participants for events and influenced involvement.
- Coordinated meetings and updates for event organization, ensuring smooth execution.

Social Media Associate Oct 2021 - Apr 2022
Astronomy Pathshala

- Managed social media content and campaigns, for increasing engagement.
- Engaged with customers and launched online courses for learners.

Projects

Marine Debris Detection and Tracking System

- Developed an AI-based system using YOLOv11 for object detection and DeepSORT for real-time tracking.
- Built an interactive interface using Streamlit for user visualization.

Sentiment Classification in Social Media Content

- Built a machine learning model for sentiment classification using NLP techniques.
- Applied models like Logistic Regression and SVM to achieve high classification accuracy.

Diabetes Prediction Using Traditional Machine Learning Model

- Built a machine learning model to predict diabetes risk using medical report and Health data.

Density-Based Smart Traffic Control Using IoT

- Developed an IoT-enabled traffic control system that adjusts signal timing based on traffic density.

Core Skills

Programming Languages: C/C++, Python, HTML, CSS, JavaScript, PHP

Database Management: MySQL, MongoDB

Tools: Microsoft Office, Google Suite, Notion, Teams, Github

Technical Skill: Machine Learning Models, Data Analysis, Regression, Classification, Streamlit, Docker

Soft Skills: Teamwork, Problem Solving, Multitasking, Communication

Education

Daffodil International University

Jan 2022 - Present

Bachelor of Science (B.Sc) Computer Science and Engineering

GPA: 3.50/4.00

Gazipur Cantonment College

Jun 2017 - Mar 2019

Higher Secondary School Certificate (Science)

GPA: 5.00/5.00

Cantonment Board High School

Jan 2015 - Feb 2017

Secondary School Certificate (Science)

GPA: 5.00/5.00

Certificates

Workshop on Data Science and Machine Learning

Career Development Center (CDC)

Computer Office Application Training

Bangladesh Technical Education Board