

Md. Mahmudul Hasan

AI / ML Engineer

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PROFILE

I am an enthusiastic and detail-oriented AI / ML Engineer with a strong foundation in developing and implementing machine learning models. Proficient in python, tensorflow, and scikit-learn, with hands-on experience in data preprocessing, model training, and evaluation. Passionate about leveraging data-driven solutions to solve real-world problems and eager to contribute to innovative AI projects.

PROJECTS

Audio to Text Chatbot for Health advice

- Built an Audio-to-Text Chatbot for health advice using Speech Recognition and NLP.
Link: <https://github.com/rifatBro12/Audio-to-text-chatbot-for-health-advice>

Movie Recommendation System

- Recommends movies based on user ratings and preferences, identifying patterns from similar users or items.
Link: https://github.com/rifatBro12/Movie_Recommendation_System

Medical Chatbot

- Built a Medical Chatbot using NLP and ML to provide symptom-based health guidance and real-time user interaction.
Link: <https://github.com/rifatBro12/Medical-ChatBot>

Olympic Data Analysis

- Examines medal counts across countries, sports, and years to identify top-performing nations and trends.
Link: https://github.com/rifatBro12/Olympic_data_analysis

Face Mask Detection System

- Developed a Face Mask Detection System using CNN for real-time image.
Link: <https://github.com/rifatBro12/Face-Mask-Detector>

CRM Sales Analytics Deal Outcome Revenue Prediction

- Developed a CRM Sales Analytics model to predict deal outcomes and revenue using machine learning.
Link: <https://github.com/rifatBro12/CRM-Sales-Analytics-Deal-Outcome-Revenue-Prediction>

Laptop Price Prediction System

- Allows users to input laptop specifications like RAM, CPU, GPU, storage, and operating system to predict a tentative price based on their custom setup.
Link: https://github.com/rifatBro12/Laptop_price_predictor

Movie Sentiment Analyzer system

- Classifies movie reviews as positive or negative instantly.
Link: https://github.com/rifatBro12/Movie_Sentiment_Analyzer_System

SKILLS

- Programming & Frameworks: Python, Flask, FastAPI
- Machine Learning & Deep Learning: TensorFlow, PyTorch, Scikit-learn
- AI Specialization: NLP (Transformers, LLMs, RAG), Computer Vision (OCR, Object Detection), GenAI
- Deployment & DevOps: Docker, CI/CD Pipelines
- Cloud & Databases: Firebase, AWS, GCP, Azure | SQL
- Collaboration & Tools: Git/GitHub, Technical Documentation
- Core Competencies: Data Structures & Algorithms, Problem-Solving, Research, Team Collaboration

Soft Skills : Critical Thinking , Collaboration & Teamwork , Self-Learning.

EXPERIENCE

Junior AI Engineer at OrDevs

2025 - present

- As a Junior AI Engineer at OrDevs, I am working on project-based AI solutions, integrating machine learning and deep learning models into real-world applications. My focus included NLP (LLMs, RAG), and Computer Vision (OCR, Object Detection). I also contributed to deployment, performance optimization, and collaborative system design.

Junior Web Developer at Aachol Foundation

2023 - 2025

- Developed and maintained the Aachol Foundation's blog web application using HTML, CSS, JavaScript, and [framework, e.g., React], enhancing user engagement for mental health awareness campaigns.

Participated at DIU Intra University Machine Learning Contest

DIU, Dhaka

Participated at Programming language competition by CPC

Dhaka, Bangladesh

EDUCATION

BSc in CSE , Dhaka International University

2021-2025

Last Semester (Thesis Ongoing on Machine Learning)

CGPA:3.82

Dhaka,Bangladesh

Higher Secondary Certificate (GPA-5.00)

2018-2020

Govt. Kadam Rasul College

Narayanganj, Dhaka

Secondary School Certificate (GPA-5.00)

2013-2018

B.M. Union High School

Narayanganj, Dhaka

ORGANIZATIONS

Creative Art Team , Aachol Foundation, Executive member

2021–2024

Computer Programming Language Club DIU, Executive member

2022–2025

CERTIFICATES

AI + Prompt Engineer, AI CERTS | Creative Art Team Member, Aachol Foundation

LANGUAGES

English | Bangla | Hindi

INTERESTS

Research & Analysis | Coding | Sports | Travelling