Habibur Rahaman

📞 +880 1817005195   @ hrfprofessional@gmail.com   🌐 Portfolio

Education

NORTH SOUTH UNIVERSITY
BS in Computer Science and Engineering
CGPA: 65.25%
📅 April 2025   📍 Dhaka, Bangladesh

Links

- **git** GitHub **View**
- **k** Kaggle **View**
- **in** LinkedIn **View**
- **g** G. Scholar **View**

Coursework

UNDERGRADUATE
Artificial Intelligence
Machine Learning
Deep Neural Network
Data Communication and Network

Skills

CODE LANGUAGES
Java • **Py**thon • C • **C++** • PHP • Fortran • Kotlin

WEB TECHNOLOGIES
HTML5 • CSS3 • JavaScript • NodeJS • GraphQL • TypeScript • SQL • ReactJS • XML • Web Socket • WordPress

DATABASES
Vector DB • MS SQL Server • PostgreSQL • MySQL • Firebase • MongoDB

FRAMEWORKS
TensorFlow • PyTorch • LangChain • LangGraph • Django REST • Spring Boot • ExpressJS • Tailwind • Bootstrap5

DEVOPS AND CLOUD
Docker • Kubernetes • CI/CD • MS Azure • Google Cloud • AWS

TEST TOOLS
Junit • Jest • PyTest • Postman & Newman • LangSmith

VERSION CONTROL
Git • GitHub • GitLab • Bitbucket

OS AND TOOLS
Agile • Windows • Linux • Terminal • PowerShell • Anaconda CLI • Wireshark • Power BI • RapidMiner • MS Excel • MS Teams • AutoCAD • CUDA (Basic)

Experience

ARTIFICIAL INTELLIGENCE ENGINEER (INTERN)
EkkBaz.AI
📅 Sep 2024 – Mar 2025   📍 Dhaka, Bangladesh

- Integrated agentic pipelines, created several AI agents using LangChain and LangGraph within Django REST framework.
- Deployed models into Azure AI Studio for B2B supply chain software production environment for live customer experiences.
- Automated the company's workload by 15% through fine-tuning, prompt engineering, and retrieval-augmented generation (RAG).

DATA SCIENCE RESEARCH ASSISTANT
North South University
📅 Aug 2023 – Jun 2024   📍 Dhaka, Bangladesh

- Researched using deep learning (DL) models, specifically transfer learning and convolutional neural networks (CNNs), on outer space signal data, achieving 95% accuracy with only 6.25% data usability.
- Optimized machine learning (ML) models for imbalanced astronomical data using EDA, feature engineering, and resampling.
- Co-developed a few-shot query framework, achieving 39–86% F1-scores with 64 samples, improving performance by 33–48%, and optimizing efficiency for low-resource NLP bottlenecks.

Key Projects

ANALYZING THE PURCHASE INTENT OF ONLINE CONSUMERS ON E-COMMERCE PLATFORM
North South University
📅 Sep 2023 – Nov 2023   📍 Dhaka, Bangladesh

Trained a logistic regression (LR) model over 12,330 customer data to predict online purchasing intentions and analyze revenue. Applied statistical data analysis and achieved 87% model accuracy on customer intent with key evaluation metrics.

AUTOMATED ADVISING SYSTEM FOR NSU FACULTY ADVISORS
North South University
📅 Apr 2023 – Jun 2023   📍 Dhaka, Bangladesh

Created an automated advising prototype for the NSU ECE department, improving data management efficiency through automation. Integrated advanced algorithms and database systems for efficient data handling while maintaining web security for confidential and complex data.

Certifications

Artificial Intelligence Skills Challenge 2024	Microsoft Learn
Problem-Solving Certificates	HackerRank
Applied Data Science	IBM, Coursera
Machine Learning Specialization	Stanford Online, Coursera
NodeJS – The Complete Guide	Udemy
Algorithms Specialization	Stanford University, Coursera

Publications

[1] H. R. Fahim, M. Hasan, and K. Salam. Detection of black holes from stellar datasets using machine learning. In *2024 IEEE International Conference on Future Machine Learning and Data Science (FMLDS)*, pages 468–473. IEEE, 2024.