Muheet Rahi

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PROFILE

Dedicated Computer Science and Engineering (CSE) student at BUET, with a strong enthusiasm for Machine Learning, Deep Learning, Generative AI, and Large Language Models. Driven by a passion for harnessing advanced AI technologies to solve real-world challenges, I am committed to continuous learning, research, and innovation in the field.

EDUCATION

2022 – Present	**BSc in Computer Science and Engineering, BUET** *Expected Graduation: March 2026* Currently in 3rd year (final examination ongoing) **Current CGPA: 3.92**	
2020	**HSC Board Examination (Rangpur Cadet College)**	*GPA: 5.0*
2018	**SSC Board Examination (Rangpur Cadet College)**	*GPA: 5.0*

PROJECTS

Medical_Chatbot

A Generative AI-based chatbot designed to provide medical assistance and information. Built using the open-source **LLaMA-2-7B** model for natural language understanding and response generation, integrated with **Pinecone VectorDB** for efficient semantic search and retrieval of medical knowledge.

Potato_Disease_Classification_DeepLearning

A convolutional neural network project to detect and classify common potato diseases from images.

Car_price_predictor_ML

Machine learning model using regression techniques to predict car prices based on key features.

IPL_Win_predictor_ML

A data-driven project to predict match outcomes for Indian Premier League cricket using ML algorithms.

GeminiAI_Building_ReactProject

A React-based project showcasing AI-driven components for user interaction. The frontend is built with React, and Gemini API is called to retrieve responses.

Compiler

Developed a custom compiler in C++ that integrates a symbol table, implements lexical analysis, and uses Yacc for parsing. This demonstrates the fundamental steps of compiler construction, from tokenization and syntax analysis to semantic checks.

JavaFX Project

A second-year, first-term assignment showcasing GUI development in JavaFX (interactive panels, event handling, etc.).

EXPERIENCE

I have experience working as a Python Developer for 4 years.

SKILLS

Programming Languages:	C, C++,Python, Java, JavaScript, HTML, CSS
Frameworks:	Scikit-Learn,Langchain,Langgraph,React, Spring Boot, Node.js
Databases:	MySQL, Vector Databases
Libraries & Tools:	Shell Scripting, Cisco Packet Tracer

AWARDS & HONORS

- **Dean's List (1st Year)**
  For academic excellence.

EXTRA-CURRICULAR ACTIVITIES

- **LeetCode Problem Solving**
  Solved numerous coding challenges on LeetCode to improve algorithmic thinking and data-structure proficiency.

- **DL Sprint 3.0 by BUET**
  Participated in a deep learning sprint organized by BUET, where I collaborated with peers on neural network projects and gained hands-on experience with state-of-the-art DL frameworks.

- **Kaggle Competitions**
  Engaged in data science and machine learning competitions on Kaggle, exploring a variety of real-world datasets and competitive modeling challenges.