

ABU NAEEM MD AHAMAD ULLAH

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Objective

Aspiring software engineers passionate about Artificial Intelligence, Bioinformatics, and Software Development. Seeking admission to a Bachelor of Science in Software Engineering program to build a strong foundation in AI, data science, and computational biology. Dedicated to developing intelligent systems that advance personalized healthcare, education, and human well-being.

Education

Bachelor of Engineering (BE), Artificial Intelligent

School of Computer Science and Technology, Yunnan University

Sep 2024 – Jul 2028

Kunming, China

Higher Secondary Certificate (HSC/ALIM), Science

Bangladesh Madrasah Education Board

GPA: 4.50% (Out of 5)

2022 – 2023

Dhaka, Bangladesh

Secondary School Certificates (SSC/Dakhil), Science

Bangladesh Madrasah Education Board

GPA: 4.17% (Out of 5)

2020 – 2021

Dhaka, Bangladesh

Skills

- Programming Languages: C, Python, TS
- Frameworks: NodeJs, ReactJs, PyTorch (Learning)
- Databases & Tools: PostgreSQL, MongoDB, Git, GitHub
- Soft Skills: Problem-Solving, Project Management, Leadership, Adaptability, Time Management

Project Work

■ AI-Based Crop Recommendation System

- Developed a machine learning model using soil and climate parameters to recommend the most suitable crop for a given region. Implemented with open agricultural datasets and a web-based prediction interface to assist farmers in data-driven crop planning.
- Tech: Python, Scikit-learn, Pandas, Streamlit, TailwindCSS

■ Crop Yield Prediction using Machine Learning

- Built a regression-based model to forecast crop yield using factors like rainfall, fertilizer usage, and cultivated area. Visualized trends and predictions through an interactive dashboard to support agricultural decision-making.
- Tech: Python, Pandas, Scikit-learn, Plotly, Streamlit

■ Crop Disease Detection using Deep Learning

- Implemented a CNN-based image classification model trained on the PlantVillage dataset to identify and diagnose crop leaf diseases. Deployed a lightweight web tool allowing users to upload leaf images for real-time disease detection.
- Tech: TensorFlow, Keras, OpenCV, Flask, HTML/CSS

■ Climate-Aware Crop Planning Dashboard

- Created a data visualization system integrating historical weather and crop yield data to analyze climate impacts on agriculture. Used time-series forecasting to predict optimal planting seasons and visualize future climate trends.
- Tech: Python, Prophet, Pandas, Plotly, Streamlit

- **AI-Driven Smart Fertilizer Management System**

- Designed a machine learning system to predict the ideal fertilizer type and quantity based on soil nutrient data and crop type. Provided an interactive web dashboard to promote sustainable fertilizer use and reduce environmental impact.
- Tech: Python, Scikit-learn, Flask, TailwindCSS

Training & Certifications

- Algorithms & Data Structures (Issued by Udemy) May 2021
- Microservices with Node JS and React (Issued by Udemy) Mar 2021
- Complete Machine Learning & Data Science Bootcamp (Issued by Udemy) Mar 2022
- Programming for Everybody (Getting Started with Python) — Coursera

Extracurricular Activities

- Science Club Member & Class Representative (2022–2023)
- Certificate of Participation & Performance – Divisional Badminton Championship 2023
- 2025 - Yunnan University "Cloud Cup" Badminton League (First Prize) May 2025
 - Sponsor: Yunnan University Sports Committee & Organized by the Youth League Committee of the school and the School of Physical Education Co-organized by: Yunnan University Badminton Association

Academic Interests

Artificial Intelligence & Machine Learning, Bioinformatics and Healthcare Technology, Personalized Learning Systems, and AI-based Protein Structure Prediction

Language & Test Scores

Bengali: Native, English: Intermediate, Chines: Beginner (HSK Level 3)

Reference

Md. Shabbir Jahan

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Md. Sibgatullah

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