

# Mim Kamrun Nahar

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Proactive 2nd-year College student specializing in Computer & Data Sciences and Economics, with a keen interest in sustainable business development and AI-driven strategies. Proficient in project management and adept at leveraging technology to drive business growth. Currently spearheading initiatives centered around Diversity, Equity, and Inclusion (DIEI) as a DIEI Leadership Fellow at Connecticut College, demonstrating a strong commitment to fostering an inclusive business environment.

**Programming Languages:** Python(proficient), Java, JavaScript, C++

**Frameworks:** Django, Tensorflow, Keras, Tkinter, NumPy, pandas, PyTorch, Jaeger

**Technologies:** Amazon Web Services (AWS), Google Cloud Platform (GCP), PostgreSQL, REST, OpenSearch.

## EDUCATION: Connecticut College | May 2026

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- Anticipated Bachelor's degree in Computer Science, and Data Science.
- concentration in Business with the help of Artificial Intelligence and Machine Learning with Trustee's scholarship.

### High School

Adamjee Cantonment College

Dhaka, Bangladesh

## Languages

- English
- Bangla
- Urdu/Hindi

## WORK EXPERIENCE

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### ORSP Fellow DIEI, Connecticut college | 25 August - Present

- Orchestrate diverse spiritual events, fostering campus-wide engagement.
- Champion interfaith dialogue, promoting mutual respect and understanding.
- Serve as a spiritual guide, supporting students during pivotal moments.
- Cultivate a unified spiritual community, bridging connections among students.
- Manage event logistics and develop valuable spiritual resources.
- Collaborate with campus entities to enhance inclusivity and cultural competency.

### Research Assistant at Connecticut College | May 2023 - Present (3 months)

- Collaborated with Karma Yoezer under Professor Tarimo's guidance to conduct "**Brainwave Analysis and Activity Prediction using Machine Learning with Muse Headset and Splunk.**"
- Explored brainwave analysis using the Muse EEG headset and employed the Splunk platform for data processing and model building
- Evaluated the performance of various machine learning models, including Logistic Regression, SVM, Random Forest, and Decision Tree Classifier, to predict educational activities based on different time span.
- Achieved commendable accuracy of approximately 75% in classifying activities, with Random Forest showing the best performance, especially with a time span of 5 seconds
- We investigated the differentiation between active and passive learning activities, showcasing promising results for real-time prediction applications

### Student Advancement Officer at Connecticut College | Jun 2023 - Present (2 months)

- Cultivated strong relationships with alumni donors soliciting, stewarding, and inspiring new, current, and future donors
- Co-wrote DEI fundraising appeal for the most recent graduating class
- Supported Calling Center alumni outreach strategy during the end of the fiscal year
- Managing an Instagram account to liaise with alumni and students of color.

**Reunion Student Manager at Connecticut College | May 2023 - Jun 2023 (2 months)**

- Managed 30 student peers to carry out programming for alumni reunion weekend
- Oversaw 40 alumni in their 15th reunion. Maintained living quarters and provided special support to the group

**General Secretary of Project Raktajaba | Dec 2020 - Present (2 years 8 months)**

- Founded a student group of 5 to create dialogue and foster understanding about women's health initiatives and access to them in Bangladesh. | [Facebook Page](#)

**Cognizance Of Youth | Jul 2020 - May 2022 (1 year 11 months)**

Co-founded a non-profit organization during COVID-19 Pandemic that provided education access and food security to youth in need | [Facebook Page](#)

**PROJECTS:**

1. PyGrowth: Python Fibonacci & Height Conversion Suite
  - Developed Python project for Fibonacci series generation and height conversion.
  - Created interactive modules for greetings, farewells, and power of 2 number generation.
  - Demonstrated strong Python proficiency and problem-solving skills through user-friendly interfaces.
2. LinguaAnalyzer: Python Linguistics & Word Processing
  - Developed "LinguaAnalyzer" for linguistic analysis and word processing in Python.
  - Calculated average word length and performed diverse linguistic tasks using string functions.
  - Demonstrated versatility with multiple input files.
3. CipherCraft: Python Caesar Cipher Encoder/Decoder
  - Created "CipherCraft," a Python application for Caesar cipher encoding and decoding.
  - Supported upper/lower case input characters and handled wraparound issues.
  - Enabled input of phrases or entire text files for encoding/decoding and saved results in new files.
4. WordArt: Python Word Cloud Generator
  - Developed "WordArt" for creating word clouds from texts, and visualizing word frequencies.
  - Implemented user interaction for text input, font selection, size, color schemes, and custom file support.
  - Utilized top-down design principles and documented the design process.
5. Ace21: OOP BlackJack Game
6. Gomoku: Five in a Row Puzzle Game
7. Audio Processing with Python: Sound Waves and Effects
8. Pi Approximation using Monte Carlo Simulation
9. Character Frequency Analyzer & Sorting
10. Interactive Shape Changer with Password Protection