

# Saimum Reza Siam

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## 👤 PROFILE

Computer Science graduate with experience in Python, PyTorch, and deep learning, including thesis work on ConvNeXt-Vision Transformer hybrid models for medical imaging. Skilled in data preprocessing, model evaluation, and deploying ML pipelines, with a strong foundation in DSA and collaborative software development.

## 🧠 SKILLS

**Programming Languages:** Python (Proficient), TypeScript (Basic), C (Basic)

**Machine Learning & AI:** PyTorch, Scikit-learn (Basic), Deep Learning, Computer Vision, Model Evaluation, DSA

**Data Analysis & Processing:** Pandas, NumPy

**Databases:** SQL/MySQL, MongoDB, PostgreSQL

**Cloud & Tools:** AWS (Basic), Git, Agile/Scrum

**Web Development:** MERN Stack (MongoDB, Express, React, Node.js), HTML, CSS, JavaScript, RESTful APIs, GraphQL(Basic), Authentication Stack(JWT, OAuth, Passport.js)

**Soft Skills:** Teamwork, Adaptability

**Languages:** English (Fluent), Bangla (Native)

## 🎓 EDUCATION

**Bachelor of Science in Computer Science,**  
*BRAC University*

02/2021 – 06/2025 | Dhaka, Bangladesh

- Graduated : June 2025
- **CGPA** : 2.99
- **Courses:** Data Structures, Algorithm Analysis & Design, Machine Learning, Artificial Intelligence, Neural Networks, Database, Software Engineering, System Analysis and Design

**HSC ( English Version ),**

*Dhaka Residential Model College*

2018 – 2019 | Dhaka, Bangladesh

Dhaka board | Passed : 2020 | GPA : 5.00 | Group : Science

**SSC ( English Version ),**

*Dhaka Residential Model College Dhaka board*

2016 – 2017 | Dhaka, Bangladesh

Dhaka board | Passed : 2018 | GPA : 4.61 | Group : Science

## 🧩 THESIS

**A Hybrid Deep Learning Approach with ConvNeXt and Vision Transformers for Detecting Schizophrenia in MRI Scans**

Used 4D fMRI(small dataset of 146 images) on a new tailored hybrid model, which was an untouched topic, and got average 91% accuracy with 0.9(approx) AUC-ROC and F1-score [https://](https://github.com/DragzterX/Thesis_Project_Bachelors) [github.com/DragzterX/Thesis\\_Project\\_Bachelors](https://github.com/DragzterX/Thesis_Project_Bachelors)

## 🧩 PERSONAL INFORMATION

Name : Saimum Reza Siam

Date of Birth : 25 May, 2001

NID : 151 125 2940

Gender : Male

Blood Group : B+ve


Religion : Islam

## PROJECTS

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### **Unsupervised Clustering of MNIST Dataset Using Convolutional Autoencoder and K-Means**

Built an unsupervised MNIST clustering model using a Convolutional Autoencoder and K-Means

[https://github.com/DragzterX/Cse425\\_project](https://github.com/DragzterX/Cse425_project) 


### **Restaurant Management Website**

Allows users in a restaurant to scan QR code and order their food via website reducing the need for waiters or long lines for food ordering. MERN

[https://github.com/DragzterX/Restaurant\\_Management\\_cse471](https://github.com/DragzterX/Restaurant_Management_cse471) 

### **Finance tracker Website**

It helps users to record personal finance, track earning and expense, set goals for expense and many more. MERN

[https://github.com/DragzterX/Finance\\_Tracker\\_CSE470\\_project](https://github.com/DragzterX/Finance_Tracker_CSE470_project) 

### **Daily Task Scheduler**

08/2025 – Present

An app which can be used to schedule daily life tasks by self-input or by using integrated AI's help. Using MERN, Flutter, AI.(Under development).

[https://github.com/DragzterX/Daily\\_Task\\_Scheduler](https://github.com/DragzterX/Daily_Task_Scheduler)

