# SHREYA ADRITA BANIK

### Machine Language | NLP | Software Development Enthusiast

**+**8801793950078

Dhaka, Bangladesh

in shreya-adrita-banik-027b62301

# **EXPERIENCE**

### **Teaching Assistant/Student Tutor**

#### **BRAC University | CSE Department**

**2022 - 2025** 

Dhaka

- Provided academic support to students taking Data Stuctures, Programming Language I and II, Numerical Methods
- Mentored 150+ students by giving consultation 15 hours each week

#### Math Instructor and Content writer

### **UDVASH Academic and Admission Care**

**1** 2021 - 2022

Dhaka

- Taught General Math for Secondary Scool Certificate Exam candidates
- Helped to create English Version Chemistry teaching content

# **EDUCATION**

#### B.Sc.

### **Computer Science and Engineering, BRAC University**

**2**021 - 2025

CGPA: 3.98/4.00 Merit Based Scholarship

### **HSC**

### Vigarunnisa Noon School & College

**2**020

**GPA:** 5.00/5.00 General Scholarship

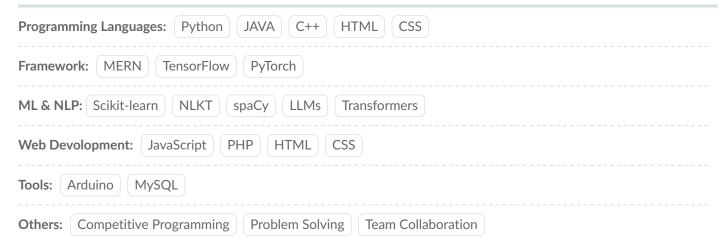
### SSC

### **Mohammadpur Preparatory School & College**

□ 2018

GPA: 5.00/5.00 General Scholarship

# **SKILLS**



# COMPETITIONS

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**5th, BRACU All Girls Intra University Programming Contest** 2023

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Best All Girls Team, BRACU Intra University Programming Contest

2022



**66th, 2022** National Girls' Programming Contest 2022

# **PROJECTS**

### FitHoba, Diet Planner Website

#### **MERN** stack

Software Development

Developed a full-stack meal planner and diet tracking website based on users' BMI, dietary preferences, and calorie
goals along with meal and workout generation functionalities by integrating AI models (Mistral AI and Gemini) and
prompt engineering

### Movie Review Classifier

#### **TensorFlow**

• Created a neural network classifier for IMDB reviews using Pandas, Keras, GloVe embeddings and trained neural networks and unidirectional and bidirectional LSTMs.

### Pet Care Game

### **OpenGL**

Computer Graphics

• Developed a virtual pet care game using OpenGL, enabling users to adopt, nurture, and interact with their virtual pet in a dynamic environment.

### Sports Image Classification

#### **TensorFlow**

Computer Vision

Built a deep learning model from scratch using CNN architecture in TensorFlow to classify 100 sports categories

# CO-CURRICULAR ACTIVIES

- Music Classical Music, Shurer Dhara
- Robotics Former Member, IT Department, Robotics Club of BRAC University
- Drawing and Painting
- Competitive Programming

# RESEARCH INTEREST

### **Natural Language Processing**

#### **Thesis Work**

Analyzing Political Bias in Media Discourse: A Computational Approach Using NLP to Examine Israel-Palestine Coverage