

# Raiyan Wasi Siddiky

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## EDUCATION

### BRAC University | [Certificate](#)

Bachelor of Science in Computer Science and Engineering | CGPA: **3.82/4.00**

Dhaka, Bangladesh

August 2021 - March 2025

- Graduated with **Highest Distinction** (CGPA  $\geq 3.80$ ).
- Dean's List and Vice Chancellor's List for consistent academic excellence (CGPA  $\geq 3.70$ ).
- Awarded Merit Scholarship for academic performance.

### Mastermind English Medium School

O-Levels & A-Levels(Science) (Edexcel, IGCSE) | GPA: **5.00/5.00**

Dhaka, Bangladesh

June 2016 - August 2020

- Pearson Edexcel High Achievers' Award, Daily Star Award.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, TypeScript, C, PHP

**Frameworks/Tools:** React, Node.js, TensorFlow, PyTorch, Sklearn, Pandas, NumPy, Matplotlib, Seaborn

**Dev Tools:** Git, Docker, Trello, ReTool, VSCode, Anaconda, Vercel, Netlify

**Databases:** MongoDB, MySQL

**ML Architectures:** Transformers(BERT, LSTM), Siamese Network

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

**Soft Skills:** Communication, Collaboration, Problem Solving, Adaptability, Attention to Detail, Analytical Thinking

## WORK EXPERIENCE

### Teaching Assistant

BRAC University, Dhaka, Bangladesh

February 2024- September 2024

- Tutored undergraduate students in **Numerical Methods** and **Elements of Statistics and Probability**.
- Assisted faculty with grading, assignment design, and academic support during office hours.

### Trainee Full-Stack Developer | [Certificate](#)

Learnathon 3.0 by Geeky-Solutions, Brainstation23, Dhaka, Bangladesh

January 2025 - May 2025

- Built a full-stack MERN app in a team of 2 under mentorship of a senior engineer from Brainstation23.
- Followed Agile practices with weekly SCRUMs, task tracking via Trello, and sprint-based delivery.

## PROJECTS

### AirBnB Room Rental Website | [Github](#)

MongoDB, Express, React, Node, Jest, Supertest, Netlify

- Built a full-stack MERN app with Google OAuth, role-based access control, and RESTful API architecture.
- Implemented robust security via JWT+Cookies, input validation, environment configs, rate limiting etc.
- Set up Git-based CI/CD pipeline with SonarQube integration, achieving **90%+ test coverage** and A-grade reliability/maintainability; deployed on Netlify.

### Movie Review Classification (NLP) | [Github](#)

Python, Pandas, Numpy, Scikit-Learn, Tensorflow, Matplotlib

- Trained LSTM-based neural network to classify movie reviews as positive or negative using IMDB dataset.
- Conducted preprocessing, tokenization, and visualizations for model evaluation and training behavior.

### Airport Booking and Management Website | [Github](#)

MySQL, PHP, HTML, CSS

- Designed and built a relational database-backed booking system for airport operations using PHP and MySQL.
- Implemented CRUD features for flights, bookings, and users, simulating real-world airline ticketing logic.

## PUBLICATIONS

### Analyzing and Predicting Trends in Contemporary Social Discourse [Under Review]

Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, NetworkX, PyTorch

- Co-authored final year thesis paper utilizing a large **Twitter dataset** to perform in depth **exploratory data analysis** and model hashtag-based social networks using **Graph Theory** (NetworkX).
- Implemented **LSTM-based neural networks** using TensorFlow and PyTorch to predict future trending directions.

## CERTIFICATIONS

### Data Analysis with Python by FreeCodeCamp | [Certificate](#)

July 2025

Skills: Python, Pandas, Seaborn, Matplotlib, SciPy