

Kazi MD Rishad Rahman

Software Developer & CSE Student

Full-stack web · Python · JavaScript/TypeScript · 3D graphics (Three.js, OpenGL) · Bengali-English

Dhaka, Bangladesh
rishad.rahman07w@gmail.com
linkedin.com/in/rishad-rahman07
github.com/rishad17

PROFILE

CSE student at **BRAC University** focused on web development, data science and AI. Remote **AI evaluation and RLHF** work at Outlier; I build full-stack web apps, interactive 3D/graphics projects and Python tools, and teach Python and CS fundamentals to beginners.

EXPERIENCE

Outlier · AI Training & Evaluation (RLHF)

Remote

- Evaluated and ranked AI model responses on **RLHF projects** for accuracy, helpfulness and instruction-following
- Wrote critiques and justifications for ratings, used as human feedback data to train and improve AI models

TEACHING

Python Instructor · Edupy · Python and OOP for beginners

Computer Science Tutor · Python, data structures & algorithms, math for CS

PROJECTS

CubeSolver 3D · Interactive Rubik's Cube solver

[code](#)

JavaScript · Three.js · Web Workers · Node.js test runner

- Enter a scrambled cube's colors and follow an **animated 3D solution** move by move on the real cube
- Kociemba two-phase solver in a Web Worker: **about 20-move solutions in milliseconds**, UI never blocks
- Validates twist, flip and parity, and re-checks every solution with an independent cube model
- **27 automated tests**, including 2,000 random move sequences, plus a Playwright end-to-end test

Drug Review Analysis · NLP + structured-data machine learning

[colab](#)

Python · TF-IDF · Random Forest · MLP · Google Colab

- Combined **text sentiment with structured attributes** to improve prediction on patient drug reviews
- Cleaning, stopword handling and **TF-IDF**, temporal features and synthetic demographics; compared **Random Forest vs. MLP**

UniSphere · Full-stack university marketplace

[code](#)

TypeScript · Git/GitHub

- Platform for university students combining a marketplace with student-oriented services

BombArena · 3D Bomberman-style game

[code](#)

Python · PyOpenGL

- 3D game with gameplay mechanics and game logic built **without a game engine**

Graphics & Python Games · RainFall · DiamondCatcher · Survival-Barrage

[rainfall](#) · [diamond](#) · [survival](#)

Python · PyOpenGL

- Animated 2D house scene with dynamic rainfall, plus two event-driven arcade games

PHP Web Apps · Book Worm Buddies · Car Parking

[bookworm](#) · [parking](#)

PHP · MySQL

- Database-backed web apps: a book community platform and a parking management system

LeetCode Python · Clean, documented Python solutions to algorithm problems

[code](#)

EDUCATION

BRAC University · BSc in Computer Science and Engineering

2022 – Present · Dhaka

Coursework: Data Structures · Algorithms · Artificial Intelligence · Discrete Mathematics · Electronic Devices and Circuits · Digital Logic Design · Data Communications · Operating System · Numerical Methods · Automata and Computability · Computer Architecture · Microprocessors · Computer Interfacing · Database Systems · Compiler Design · Computer Networks · Computer Graphics · VLSI Design · Systems Analysis and Design

SKILLS

CODE

Python JavaScript TypeScript Java PHP C C++ SQL

WEB

React.js FastAPI Django Laravel Three.js

DATA / ML

Pandas NumPy TensorFlow

TOOLS

MongoDB MySQL Git GitHub PyOpenGL

LANGUAGES

Bengali (native) English (fluent)