# MOHAMMED EFAZ

Student

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### **ABOUT ME**

A 2nd year Computer Science undergraduate at ELTE, eager to contribute to meaningful projects through an internship. A hardworking student who thrives in collaborative environments, excels under pressure, and consistently meet goals.

#### **EDUCATION**

#### Eötvös Loránd University

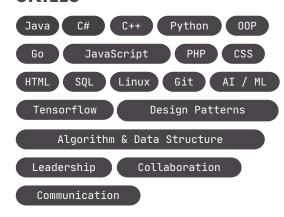
CGPA 4.2/5 • 2022 - 2025
Bachelor of Science in Computer
Science

# Edexcel International Advanced Level (IAL)

CGPA 4/4 • 2019 - 2021

Pure Math, Physics, Accounting, Economics Mastermind English Medium School Pearson Edexcel High Achievers Award

### **SKILLS**



#### **ACCOMPLISHMENTS**

- 2023 2nd place in **CASSINI Hackathon** Hungary
- <sup>2020</sup> 1st place in Sci-Fi Story Writing Fantascienza 1.0
- <sup>2020</sup> 1st in Movie Review Notre Dame College
- 2019 Finalist Gold Award The

  Queen's Commonwealth Essay

  Competition 2019 (UK)

# PROJECTS / EXPERIENCE

## 2023 Atmosphere Simulation (C#)

Using **C#**, OOP and design patterns to simulate gas layer evolution. It employs encapsulation and design patterns to create an interactive simulation.

# 2023 Tron Game (Java)

Using **Java** and **MySQL** to create a unique version of the classic Tron game. Real time player tracking, time tracking, scoreboard, DBMS, 2-player mode, all wrapped in a GUI.

# 2023 IoT Home Simulation (Python)

Utilising data structures, OOP, and file and exception handling techniques to create an effective simulation environment.

# 2023 Pokémon Trading Card (PHP, JavsScript)

a Pokémon TCG web platform with advanced PHP server-side scripting for user authentication, card transactions, and admin controls, leveraging JSON for data handling, all crafted with a focus on robust coding standards.

# 2023 Flappy Bird (Java)

A lightweight java version of the famous game, with OOP principles, GUI, keyboard controls.

# 2023 Rubiks Clock (Java)

A Rubik's Clock game using matrix algorithms for clock layout and event-driven programming for interactive elements, all within an MVC framework for efficient code scalability and maintenance.

# 2023 MapMaker (JavaScript)

A grid-based map system game featuring mountains  $\theta$  various map elements. Integrated game mechanics; random mission selection, scoring systems, to enhance gameplay experience.

#### 2021 Content Writer • Ashia Foundation

Volunteer work. Responsible for the publication of various bibliographies for the public welfare organization.

#### **CERTIFICATIONS**

2023 IoT Fundamentals: Big Data & Analytics

2020 <u>Big History: Connecting Knowledge</u>

2020 Psychological First Aid

2020 Astronomy: Exploring Time and Space

2020 The Arts and Science of Relationships: Understanding Human Needs

#### **LANGUAGES**

Arabic

English Bengali Urdu Hindi