TASBEEH ISMAIL

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EDUCATION

Damanhour University, Faculty of Computers and Information   Sep 2021 - present
Bachelor's degree in Computer Science

SKILLS

Languages/ Technologies	C/C++, Java, C#, JavaScript, SQL, HTML, CSS, Node.js, Express.js
Tools	GIT, Trello, Obsidian
Concepts	Data Structure, Algorithms, Competitive Programming, OOP, Web Development

PROJECTS

Water Quality | *JavaScript (Node.JS), Express Framework, MySQL*   April 2024 - Present

- Integrated custom Express.js APIs to streamline data input, automated report generation, and improved communication between laboratory staff and water treatment engineers.
- Employed an agile methodology, starting with requirements gathering and system design. Utilized MySQL and schema design to build a flexible database structure. Iteratively developed and refined system features.

Facial Attendance System | *Python, OpenCV*   April 2024 - May 2024

- Utilized numpy and pandas for streamlined data manipulation, facilitating efficient organization and storage of attendance data in Excel sheets.
- Developed real-time facial recognition capabilities using deepface, dlib, and face-recognition libraries.

Laser War Game | *C++, OpenGL*   Dec 2023 - Jan 2024

- Developed a one-to-one competitive game, used linear algebra to perform essential in-game operations.
- Utilized OpenGL graphics for immersive visuals, streamlining game-play for quick player engagement.

Geometric Calculator | *Java, JavaFX*   May 2023 - Jun 2023

- Designed and implemented a JavaFX-based GUI application proficient in computing circumference, area, and volume for diverse geometric shapes.
- Demonstrated adept use of OOP concepts to ensure efficient and scalable calculation algorithms within the application.

VOLUNTEER EXPERIENCE

Instructor & Mentor   Sep 2022 - Present
ICPC Damanhour Community

- Training 100+ students from levels Newcomers and Juniors phase 1 & 2.
- Explaining many topics, popular algorithms, and techniques of competitive programming.
- Helping write problem-set for Damanhour University - ECPC 2023.

HONORS & AWARDS

- Ranked 17**th** (out of 170 teams) and 3**rd** (out of 17 teams from my University) in 2023 ICPC ECPC Qualifications Collegiate Programming Contest Day 1.
- Ranked 58**th** (out of 190 teams) in 2022 ICPC ECPC Qualifications Collegiate Programming Contest Day 1.
- Qualified to 2**nd** phase & get score 29**th** in Egypt at Meta Hacker Cup 2022.
- Solved **+1300** algorithmic problems with C++/Java on different online judges.