

Ahmad Ali El Ghazi

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EDUCATION

Isik University

Computer Engineering (English, Full Scholarship Ranked First by GPA) GPA: 3.67/4

Sile, Istanbul, Turkey

Oct 2022 - June 2026

Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Linear Algebra, Discrete Mathematics, Probability and Statistics, HCI, Database Systems, Circuit Theory, Logic Design

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, PHP, JavaScript, HTML, CSS

Technologies/Frameworks: Linux, GitHub, AWS, Microsoft Excel, Chromium, NoSQL

EXPERIENCE

Freelancing

Online Connections

Oct 2022 - Feb 2023

- Freelanced during my freshman year to improve my coding skills by working on diverse projects.
- Developed simple yet practical applications for high school students, such as calculators and educational tools (All in Java).
- Applied theoretical knowledge in real-world scenarios, significantly enhancing my programming abilities.

Project Leadership

Isik University, Istanbul, Turkey

Feb 2023 - June 2023

- Spearheaded the creation of a centralized database to store journals, editors, reviewers, and authors, defining project scope and assembling a skilled team. Directed the design of the database schema and user interfaces, ensuring data validation and integrity.
- Actively mentored team members on database design and development best practices. Conducted code reviews and one-on-one sessions to provide constructive feedback and guidance, enhancing team members' skills and ensuring adherence to robust design principles.
- Established regular meetings to discuss project progress, design principles, and address any challenges. Encouraged open communication and collaboration, leading to successful project completion and smooth user adoption through comprehensive training and ongoing support.

PROJECTS

- **Maze Solver**, Worked on a project where I solved a maze using stacks. Designed and implemented an A* algorithm, significantly improving efficiency and accuracy. This project deepened my understanding of path-finding algorithms, stack data structures, and algorithm optimization.
- **Dictionary, Spell-Checker**, Created a dictionary and a spell checker using hash-maps in Java. Efficiently stored and retrieved words in constant time, and implemented a spelling check feature. This project enhanced my understanding of hash-map data structures, efficient data retrieval, and error-checking mechanisms.
- **City Navigator**, Designed navigation algorithms to find the shortest paths between cities using weighted graphs and hash sets. Optimized the algorithms to determine the most efficient routes. This project deepened my understanding of graph theory, weighted graphs, and algorithm design for optimal pathfinding.
- **Journal Submitter Database**, Developed a comprehensive journal submitter database in SQL, designing the schema to include tables for authors, journals, submissions, reviewers, and reviews. Created a website using HTML and PHP to manage and retrieve journal submission information, ensuring efficient data handling. This project demonstrated my thorough understanding of database management, SQL operations, and web development using HTML and PHP.

ABOUT ME

I am a tech enthusiast with a solid foundation in data structures, algorithms, and databases. As a top student at Isik University, I am dedicated to completing my education with a focus on honing my technical skills. I am also extremely proficient in English, which aids in my ability to communicate complex ideas effectively. Outside of academics, I enjoy engaging in logic games, playing the piano, and exploring video games. My career goal is to innovate within the tech industry and ultimately launch my own startup.