

Karim Mohamed Basem

Computer and Systems Engineer

📍 Alexandria, Egypt ✉ karimbasem14@gmail.com ☎ +201272510369 in karimbasem 🌐 karimbasem

Summary

- A highly motivated and determined Computer and Systems Engineering student with a strong interest in software engineering, logical thinking, and problem solving. Eager to apply and expand technical skills through hands-on experience and meaningful contributions to real-world projects.

Education

Bachelor in Computer & Systems Engineering (Alexandria University)

October 2023 – Exp: June 2028

- **Grade:** Excellent
- **Coursework:** Data Structures and Algorithms, Probability and Statistics, Logic circuits design

Work experience

Tech Course Co-instructor – Engineering for kids (Summer 2025)

- Taught and helped kids (8-11 years old) understand and grasp hard technological concepts

Tech Content Creator - Armstrong (Summer 2024)

- Created engaging tech-related content
- Created online quizzes and projects for topics like Python and Web development

Sales Assistant - Local Computer Store (Summers of 2019 & 2021)

- Assisted customers with product selection and tech advice
- Managed inventory and handled cash register operations

Courses

- React frontend development (DEPI)
- Flutter mobile app development on udemy
- Machine learning specialization by Andrew Ng on Coursera

Skills

Hard skills:

- HTML, CSS, JavaScript, React, NodeJs, Flutter, Dart, Python, Machine learning, AI, Data analysis, C/C++, Java, Git&Github, LATEX

Soft skills:

- Communication skills, Managment skills, Problem solving, Troubleshooting, Work under pressure

Projects

Chess Game in C

- Built a chess game in the console using C, with one of my colleagues
- Implemented logic for piece moves validation and check and checkmate

Muslim Azkar App Using Flutter

- Developed a mobile app for daily Azkar with a smooth UI
- Used popular solutions for local notfications, local storage management and state management

4-bit ALU logic design

- Built, along with my team, a 4-bit ALU processor cabable of basic arithmetic operations and basic shift operations
- Created truth tables, minimized boolean functions, and made the full project report in Latex

Volunteering

- Volunteer at the maths club in IEEE SSCS AUSC.
- OC member in Roh El Kheir (Charity team in college).
- OC member in ACM.

Languages

- Arabic: Native
- English: Professional
- Frensh: Good