

# Alaa Yacoub Elbarasi

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## SUMMARY

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Passionate Software Engineer and M.Sc. student with a B.Sc. in Computer Science. Specialize in mobile app development, focusing on creating innovative, user-centric interfaces. Skilled in Flutter and adaptable to various technologies.

## EXPERIENCE

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### Software Developer

07/2023 – Present

### Sadeem Technology

Developed and maintained mobile applications using **Flutter** framework, focusing on creating intuitive and responsive user interfaces.

- Collaborated with cross-functional teams, including designers and backend developers, to ensure seamless integration and performance of mobile apps.
- Debugged and resolved issues across multiple platforms (iOS/Android).
- Worked with **RESTful APIs** to integrate backend services with mobile apps, ensuring smooth data flow and user interaction.
- Designed and built **UI prototypes** using **Figma**, ensuring seamless transitions from design to development.

### Volunteer Trainer

09/2021

### TTM

Volunteered to teach programming basics to children using **Scratch**, introducing fundamental concepts such as loops, conditionals, and events.

- Developed a simple curriculum that catered to children's understanding, making learning programming fun and engaging.
- Empowered students to create their own interactive stories and games by the end of the course.

### Data Scientist (Intern)

12/2021

### Future Hub Design

Assisted in data collection and analysis as part of a data science training program.

- Worked with datasets to perform exploratory data analysis using **Python** and **pandas**.
- Built and presented basic data visualizations to communicate findings with the team.

### EFL Teacher

01/2021 – 10/2021

### Washington DC Languages Academy

Taught **English as a Foreign Language (EFL)** to students of different age groups, focusing on improving reading, writing, and speaking skills.

- Prepared lesson plans and assessments, achieving an improvement in student language proficiency by **30%**.
- Tailored lessons to meet individual student needs, enhancing their learning experience and confidence in using English.

**EFL Teacher**  
*12/2019 – 03/2022*

**Cambridge Center**

- Instructed students in English grammar, vocabulary, and conversation, helping them prepare for language proficiency exams.
- Used innovative teaching methods, including role-play and multimedia, to make lessons more engaging and relatable to students.
- Managed classrooms of up to 20 students, ensuring a productive learning environment.

## Education

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**Master of Science in Artificial Intelligence**  
*09/2023 – Present*

**University of Benghazi**

- Currently pursuing a Master's degree with a focus on advanced AI techniques, including machine learning, neural networks, and data analytics.

**Bachelor of Science in Computer Science**  
*01/2019 – 02/2023*

**University of Benghazi (Garyounis)**

- **GPA:** 3.98
- **Graduation Project:** A Novel Secret Key Steganography Approach
  - Developed an innovative approach for embedding secret keys in digital images to enhance data security.
  - Implemented the project using **Python** and **image processing** libraries.

**High School Diploma**  
*2013 – 08/2017*

**Gifted Center, Benghazi**

- Focused on advanced courses in mathematics, physics, and computer science.

**Language Studies**  
*09/2017 – 06/2018*

**LCPS Language Centre, Benghazi**

- Completed an intensive English language course.

## Programming Languages

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- **Dart:** Proficient in building cross-platform mobile applications using the Flutter framework.
- **Python:** Experienced in data science, machine learning, and web development. Used for graduation project and internships.
- **Java:** Skilled in object-oriented programming, with experience in building robust applications and desktop application .
- **C#:** Knowledgeable in object-oriented programming and desktop application development.
- **SQL:** Proficient in database management, writing complex queries, and working with relational databases.
- **JavaScript / TypeScript:** Skilled in front-end development, using modern frameworks like React for web applications.
- **CSS:** Used for styling and designing responsive web applications.

## Technologies

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**collaboration tools:** Trello, Jira, Odoo.

**repository management tool :** Github, Bitbucket.