

Alaa Yacoub Elbarasi

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SUMMARY

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

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.

Education

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.

- **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

- **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

collaboration tools: Trello, Jira, Odoo.

repository management tool : Github, Bitbucket.