# MARK MAHROUS GENDY

Cairo, Egypt | +201009659560 | markmahrous012@gmail.com | LinkedIn | Github

## EDUCATION

**German University in Cairo** | Computer Science & Engineering     September 2020 – July 2025 (Expected)
- Grade : A, CGPA : 1.17 (German Scale)
- Full Scholarship awarded for Academic Excellence.

## EXPERIENCE

**PwC ETIC** | Full Stack Intern     February 2025 – Present
- Currently working on a large-scale project utilizing React for front-end, Node.js for back-end, and Firestore (GCP) for database management.
- Collaborating with cross-functional teams to implement new features and optimize system performance.
- Contributing to code reviews and backend integration to enhance efficiency.

**Money Fellows** | Front-end Intern     July 2024 – September 2024
- Spearheaded the development and maintenance of the Money Fellows mobile application, enhancing usability for over 1,000,000 users by leveraging Angular and Ionic.
- Reduced bug count by 30% and improved user retention by implementing critical fixes and introducing new features. and providing code reviews.
- Optimized code and enhanced performance using advanced debugging tools, improving application reliability.
- Collaborated with cross-functional teams in weekly sprint meetings, contributing ideas that boosted project delivery efficiency by 10%.

**German University in Cairo** | Flutter intern     July 2023 – September 2023
- Developed an independent tourist mobile application using Flutter.
- Implemented key features such as trip customization, feedback submission, and user authentication.

**German University in Cairo** | Junior Teaching Assistant     September 2022 – January 2023
- Guided over 25 students in mastering Data Structures & Algorithms.
- Conducted lab sessions and provided individualized tutoring, enhancing students' problem-solving abilities.

## PROJECTS

**Bachelor's Thesis** | *Python* | (*Video*) | *Grade : Excellent (A)*     February 2024 – June 2024
- Authored a bachelor's thesis titled "Measurement of Functional Size Across Programming Languages: A Machine Learning Approach".
- Created a tool to measure the functional size of software written in any programming language using COSMIC method principles and machine learning models with accuracy of 96%.

**Clinic-Pharmacy Website** | *MERN stack* | *JavaScript*     September 2023 – January 2024
- Built a full-stack virtual clinic with pharmacy integration using the MERN stack.
- Developed features such as finding doctors, scheduling appointments, getting prescriptions, ordering prescribed medicines, conducting online consultations, and managing medical records.

**Chat App** | *Flutter* | *Firebase* | *Dart*     June 2024 – August 2024
- Developed a chat application where users can sign up, log in, add a profile picture, and chat with other users.
- Integrated Firebase for real-time data storage and user authentication.

**Matches Attendance Database System** | *SQL , C#*     September 2022 – January 2023
- Implemented a database system to manage sports matches and fan attendance, utilizing SQL for efficient data handling.

**Marvel Ultimate War Game** | *Java (Video)*     February 2022 – June 2022
- Created a 2-player battle game using Java's Object-Oriented Programming principles and Java Swing for the graphical interface.

## SKILLS & LANGUAGES

**Programming Languages**: Java, JavaScript (TypeScript), Python, Dart, C#, C++, HTML/CSS
**Skills**: NodeJS, MongoDB, SQL, React, Angular, Flutter, Firebase, ExpressJS, ASP.NET Core, OOP, Data Structures & Algorithms, Git, design patterns, SOLID principles
**Certifications**: Flutter & Dart - The Complete Guide 2024 (Udemy), The Complete Web Development Bootcamp 2024 (Udemy)
**Languages**: Arabic (Native), English (C1), French (B1) , German (A2)