

# Belal Mohamed

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🛡 Exemption

## Education

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**Bachelor of Engineering,** *Nile University*

09/2023 – 12/2027

- GPA : 3.26
- courses : DataBase , Data Structure & Algorithms , Digital Logic Gates , Electrical Circuits

## Professional Experience

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**DataBase Administrator,** *Spinneys Egypt*

07/2025 – 08/2025

**Summer Internship**

cairo, Egypt

- Assisted in managing and maintaining SQL server systems, ensuring data integrity and security.
- Monitored database performance and optimized queries to improve efficiency.
- Supported backup, restore, and disaster recovery processes
- Find a way from the ssms to check the backup jobs for 34 branch with one query (Using registered server)
- Designed and deployed business reports using SQL Server Reporting Services (SSRS) and Report Builder.
- Created and optimized stored procedures to extract and process data efficiently.
- Linked database tables and stored procedures to pre-designed report templates for consistent reporting standards.

## Courses

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**C++ Basics,** *Route*

- Solid principles
- Design Patterns
- Templates

**Pyhton,** *Nile University*

**Flutter,** *Route*

- Dart
- synchronous & asynchronous programming
- Firebase
- Api

## Skills

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**programming languages**

C++ , Python , Dart

**Frame works**


QT, Flutter

**Tools**

Microsoft Office, Figma, Git, GitHub

## Certificates

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- [C++ Course](#) 
- [Python Course](#) 
- [Flutter course](#) 

## Projects

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### **Library management system**

Developed a desktop application for managing a library system using C++ with Qt for the GUI and MySQL for backend data storage. Implemented user roles (librarian and borrower), login/authentication, book borrowing/returning features, and a searchable catalog via QTableView and SQL queries.

### **Islami app**

Created an Islamic mobile application using Flutter, featuring Quran surahs, sebha and Hadith . Designed an elegant user interface and integrated local data management to provide an offline experience for users.

### **Evently**

Built a modern event management mobile app using Flutter, featuring event browsing, creation, and participation. Integrated Firebase Authentication for secure user login and Firestore for real-time data storage and retrieval. Designed responsive UI/UX and implemented effective state management for a smooth cross-platform experience.

### **News App**

Developed a cross-platform mobile application using Flutter that fetches and displays real-time news articles from various categories using a public RESTful API. Implemented clean UI, dynamic content loading, state management, and responsive layouts to ensure smooth user experience on both Android and iOS devices.

### **balanced meal app**

Developed a Flutter-based nutrition app that helps users calculate their daily caloric needs, customize meal orders, and track nutritional balance. The app features a multi-screen UI with personal info input, ingredient selection, API-based order placement, and a summary screen displaying selected items and calories. Integrated RESTful API using POST requests for order handling.

## Languages

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- English
- German