

# Ahmed Mohamed Ashraf Helmy

*Software Engineer*

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[helmyportfolio.netlify.app](https://helmyportfolio.netlify.app) | New Cairo, Egypt

## EDUCATION

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**Future University in Egypt**, Cairo, Egypt

Bachelor of Computers and Information Technology

2020 – 2024

- **Department:** Computer Science
- **GPA:** 3.05

## INTERNSHIPS

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- **Information Technology Institute (ITI)**, Egypt  
**Full Stack - PHP/Laravel**, Intensive Code Camp Mar 2025 – Aug 2025
- **Next Academy**, Egypt  
**Mobile Application Development** Using Flutter Aug 2023 – Sep 2023

## CERTIFICATIONS

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- **Machine Learning** – NTI (Dec 2024 – Feb 2025)
- **Database Fundamentals** – Mahara Tech (Aug 2024)
- **Machine Learning** – NVIDIA (Jul 2022)
- **Mastering Java Programming** – YAT Solutions (Sep 2021 – Nov 2021)
- **C Language** – Coursera (Jun 2021)
- **Web Development** – Udacity EGFWD (Challenger Track)

## TECHNICAL SKILLS

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- **Languages:** Java, Python, C++, C, PHP
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, TypeScript, Angular, React, Laravel, Node.js
- **Mobile Development:** Flutter, Dart
- **Database:** SQL, Firebase, MongoDB
- **Tools:** Git, GitHub, Postman, Microsoft Office, Linux (Admin Level 1)

## PROJECTS

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- **Graduation Project: Duat - Revolutionizing Tourism with AI**  
AI-powered mobile app to enhance the tourism experience in Egypt. Features monument recognition, route optimization, hotel/flight booking, currency exchange, events calendar.
  - **Technologies:** Flutter, Python, TensorFlow, Firebase, Google APIs
- **Full-Stack Online Bookstore (MEAN Stack)**  
E-commerce platform with authentication, cart, orders, reviews, and admin dashboard.
  - **Technologies:** Angular, Node.js, Express.js, MongoDB, JWT, Stripe, AI API
- **AI Expense Tracker**  
Expense management tool with AI-based budgeting tips and charts.
  - **Technologies:** Angular, Firebase, TypeScript, Chart.js, Dialogflow/Cohere
- **Movie Review Sentiment Analysis**  
NLP-based classifier using NLTK and TF-IDF to analyze movie reviews.
  - **Technologies:** Python, NLTK, Scikit-learn
- **ATM Simulation System**  
Java Swing app simulating ATM operations with GUI and sound.
  - **Technologies:** Java, OOP, NetBeans, Java Sound API
- **SAWAH Mobile Application**  
Flutter app to explore Egyptian monuments with authentication, Firestore data, and wishlist.
  - **Technologies:** Flutter, Firebase Auth, Firestore

## SOFT SKILLS

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- Communication
- Team Collaboration
- Problem Solving
- Presentation
- Event Planning
- Leadership

## EXTRACURRICULAR ACTIVITIES

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- Student Union - Future University (Dec 2022 – 2024)
- Organizer - Annual Art Workshop at Opera House (Jun 2022)
- ICCI 2024 - Participant
- MRC Robotics Competition - Contributor

## LANGUAGES

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Arabic (Native), English (Fluent)