AHMED MOHAMED ASHRAF HELMY

(+20)1557155911 | **ahmedd.ashraff.helmyy@gmail.com** | New Cairo | linkedin.com/in/ahmed-helmyyy

PROFILE

Highly motivated Computer Science graduate with a solid foundation in software development, machine learning, and database management. Experienced in building web and mobile applications, optimizing system performance, and developing data-driven solutions. Strong problem-solving abilities, effective collaboration in team environments, and a commitment to continuous learning. Adept at applying technical expertise to solve complex challenges and enhance user experiences.

EDUCATION

Future University in Egypt | Bachelor of Computers and information Technology **2020- 2024**

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

Information Technology Institute (ITI) **Mar , 2025 - Present**

- **Program:** Intensive Code Camps – (4 months)
- **Track :** Full Stack
- **Expected Grad :** Jul 2025

TRAININGS & CERTIFICATIONS

- **Machine Learning , NTI** (Dec 2024 - Feb 2025)
- **Database Fundamentals , Mahara Tech** (Aug 2024)
- **Mobile Application Training , NEXT Academy** (July 2023 - Aug 2023)
- **Machine Learning , NIVDIA** (July 2022)
- **Mastering Java Programming , YAT Solutions** (Sep 2021 - Nov 2021)
- **C Language - Coursera** (Jun 2021)
- **Web Development - Udacity EGFWD (Web Development Challenger Track)**

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, C,
- **Mobile Development:** Flutter, Dart
- **Web Development:** HTML, CSS, JavaScript , Bootstrap , TypeScript , Angular
- **Database Management:** SQL, Firebase , MongoDb
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux (Admin Level 1)
- **Microsoft Office**

PROJECTS

Graduation Project: Duat - Revolutionizing Tourism with AI
Developed an AI-powered application designed to enhance the travel experience in Egypt.

The app features:

- AI-driven monument recognition
- Traffic analysis and route optimization
- Hotel and flight booking services
- Currency exchange information
- Events calendar and news feed

Tools and Technologies Used:

- **Dart & Flutter**: Mobile app development (Android & iOS)
- **Python & TensorFlow**: AI models for image recognition and crowd prediction
- **Firebase**: Database, authentication, hosting, and real-time updates
- **APIs**: Google Flights, Hotels, Currency Exchange, and Nearby Places
- **Git/GitHub**: For version control and team collaboration

Title: Movie Reviews Sentiment Analysis

Description:

Developed an intelligent system using NLP and machine learning to classify movie reviews as positive or negative. Utilized the NLTK movie reviews dataset, processed textual data, and trained a Naive Bayes classifier with TF-IDF features. Achieved an accuracy of 83% on test data.

Tools & Technologies:

- Python
- NLTK (Natural Language Toolkit)
- Scikit-learn
- TF-IDF Vectorizer
- Naive Bayes Classifier
- Google Colab

Title: ATM Simulation System

Description:

Designed a desktop ATM app using Java to handle login, balance check, deposit, withdrawal, transfer, and loan request with a user-friendly GUI and sound effects.

Tools & Technologies:

- Java , Java Swing
- NLTK (Natural Language Toolkit)
- NetBeans(IDE)
- Java Sound API
- Object-Oriented Programming (OOP)

Title: SAWAH Mobile Application

Description:

SAWAH is a mobile app made for tourists to help them explore Egypt's famous monuments. Users can sign up, log in, and browse monuments by category. Each monument has a photo and description. If a user likes a monument, they can add it to their wishlist to visit later. The app is easy to use and helps tourists plan their trips better.

Skills and Technologies Used:

- **Flutter & Dart** – to build the mobile app.
- **Firebase Authentication** – for user sign up and login.
- **Firebase Firestore** – to store monuments and user data.

SOFT SKILL

- Communication Skills
- Team Collaboration
- Problem-Solving
- Problem-Solving
- Leadership

EXTRACURRICULAR ACTIVITIES:

- **Student Union - Future University in Egypt** (Dec 2022 - 2024)
- Organized the **Annual Art Workshop** at the Opera House (June 2022)
- Assisted in planning **entertainment events** at the university
- Participated in The 6th International Conference on Computing and Informatics **(ICCI 2024)**
- Contributed to the **MRC Robotics Competition**

LANGUAGES:

- Arabic (Native)
- English