
Yassa Kamille Abd El-Latif

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Objective

Adaptable Software Developer with the ability to deliver quality results. Meets work requirements and deadlines through relentless work ethics and dedication to quality, keeping up with the latest Technology.

Education

- Ain Shams University -Cairo.
Bachelor of Computer and Information Science: Scientific Computing.
2020 – 2024 (*Expected*)

Trainings

- ❖ ITI Mobile Development Using Android - Summer Training.
 - Learned about **OOP** principles, **JAVA** language and some database tools like **ROOM** database.
 - Developed **Signup-Login** system app as an application on training content.
Jul 2023 – Aug 2023
- ❖ APPLAI Machine Learning Training.
 - Learned about supervised machine learning techniques like **regression** and **classification**.
And unsupervised machine learning techniques like **clustering**.
 - Applied **preprocessing**, **data analysis** and **ML techniques** on dataset and work on project as an application on previous techniques.
Feb 2023
- ❖ College Android Development Summer Training.
 - Learned about **android architecture**, **app design** and know more about **SQLite** database.
 - Implemented a Todo-list with pomodoro application using **JAVA**, **SQLite**.
Aug 2022 – Sep 2022
- ❖ College Web Development Summer Training.
 - Developed a website (front- end) with over 5+ pages using **HTML5**, **CSS3**, **JavaScript**.
 - Collaborated with classmates on the development of website features and user interface design.
Aug 2021 – Sep 2021
- ❖ ROBOTECH Embedded System & IOT Training.
 - Knew about IOT architecture and worked on Arduino IDE.
Aug 2021 – Sep 2021

Certifications & Awards

- First Place in Machine Learning Training for APPLAI - Faculty of Computer and Information Science - Ain Shams University.
Feb 2023

Selected Projects

❖ Android Projects:

- [TODORO](#) (Mobile Application – Native Android):
 - It's an application can be used by students from any study stage to organize their study times using **SQLITE**, it's a Combination between **Todo-List** and **Pomodoro**, it also contains a **Tic Tac Toe game**, as a side option for taking break after study.
 - **Languages & Tools**: XML - JAVA - Android studio.

- [Members Management System](#) (Mobile Application – Native Android):
 - **Admin login**: allows admins to create their username and password and then use them to log in to the Application using **ROOM Database**.
 - **Members Management**: Seamless addition and deletion of members, keeping the database up to date.
 - **Recycler View**: Optimized member list display with a smooth and user-friendly interface.
 - **Shared Preferences**: Implemented shared preferences for storing essential app data.

- **Coroutines:** Employed coroutines to ensure smooth asynchronous operations and a responsive UI.
 - **Languages & Tools:** XML - Kotlin - Android studio.
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❖ **Web Projects:**

- [BIG FIVE](#) (Web Development – Front End):
 - It's a sports website that shows all what you want to know about European football.
 - **Languages & Tools:** HTML -CSS - JavaScript - VS Code.
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❖ **AI & ML Projects:**

- [Customer Segmentation](#) (Machine Learning):
 - Customer Segmentation is the process of division of customer base into several groups of individuals that share a similarity in different ways that are relevant to marketing such as gender, age, interests, and miscellaneous spending habits.
 - Trained a clustering model on customers of a given mall, documenting all steps of the pre-processing and model training, and then deploying the model as a web application using **Streamlit**.
 - **Languages:** Python - PyCharm - Jupyter notebook.
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- [Hotel Rate Prediction](#) (Machine Learning):
 - Application of Machine learning methods of data analysis, preprocessing and apply ML techniques like **linear regression**, **ridge regression**, **lasso regression** to predict rate of hotel depend on dataset of them, and **decision tree classifier**, **Random Forest classifier**, **Logistic regression classifier** to classify hotels rating.
 - **Languages:** Python - PyCharm - Jupyter notebook.
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❖ **Other Projects:**

- [Digital Signal Processing \(DSP-Tools\)](#):
- Python package that Includes implementations of signal Adder, Shifter, Folder, Direct convolution, correlation, Moving average, DFT, Sampling and Time delay ...etc.
- Dealing with python libraries like: **scipy,numpy,pandas,matplotlib** and **tkinter**.
- **Languages & Tools:** Python – PyCharm.

Extracurricular Activities

- MSP Tech Club – ASU: Android Member.
Mar 2023 – Present
- Acm-ascis Problem Solving Level 1
Dec 2020 – Jan 2021

Technical Skills

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|----------------|----------------|
| • HTML and XML | • C# |
| • CSS | • Python |
| • JAVA | • SQL |
| • Kotlin | • OOP |
| • C, C++ | • Git & GitHub |

Languages

- Arabic: Native Language.
- English (B1), German (A1): Second Languages.

Soft Skills

- Good communication skills.
- Team working and participation.
- Flexibility.
- Fast learning & Self-study.