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# Yassa Kamille Abdul-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#           | • RESTful APIs |
| • CSS          | • Python       | • Room DB      |
| • JAVA         | • SQL          | • Firebase     |
| • Kotlin       | • OOP          | • MVVM         |
| • C, C++       | • Git & GitHub | • Docker       |

## Languages

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

## Soft Skills

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