Mohamed **Abdelhamid**

SOFTWARE ENGINEER

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Summary

Software engineer with hands-on experience in software engineering specially backend development also have previous experience with data science, looking for an opportunity to work in a real projects combining my skills in software engineering, which provides professional development, interesting experiences and personal growth.

Work Experience

Sefprotrade
Freelance

OFFERS SUSTAINABLE AND INNOVATIVE SOURCING SOLUTIONS FOR TEXTILES AND APPAREL INDUSTRIES
Apr. 2022 - May. 2022

- Backend logic has been built using Django REST framework.
- Used PostgreSQL to store the database.
- Docker for containerization purposes and Nginx to serve static files and proxy usages
- Tools: Python, Django Rest Framework, Postman, Postgresql, Digital Ocean

Taweel Mentorship
Remote

MENTORSHIP PYTHON(DJANGO)
Jan. 2022 - Present

- Collaborate with 5 members to create medium clone Api.
- Identify the backend feactures + setup the database schema.
- Implement the user profiles model.
- Tools: Python, Django Rest Framework, Cookiecutter, Postman, Celery, Redis, Github actions, Postgresql, Digital Ocean

Summer Training ITI Web Development ⊡
Mansoura, Egypt

PYTHON DJANGO BACKEND TRACK
Aug. 2022 - Sep. 2022

- Implemented Online Library Management System.
- The website have admin and students.
- Admin has the full authority add books, update and delete.
- Students can view all books, can borrow a books if it's available only.
- Tools: Html, Css, Python, Django, Postgresql.

Honors & Awards

2021	**Top 3 MIE competition** ⊡, Implement Analytical platform that enables you to track your website performance metrics like page views, conversion rate, bounce rate, and more.	*Cairo, Egypt*
2020	**ECPC ranked 93**, Egyptian Collegiate Programming Contest.	*Cairo, Egypt*
2019	**IEEE Zwail Hackathon ranked 3**, Develope Drop prototype tp solve agricultural water consumption.	*Cairo, Egypt*

Projects

Qorb Graduation Project ⊡

OUR PLATFORM IS "E-LEARNING PLATFORM" PROVIDE SOME FEATURES BY USING COMPUTER VISION AND ARTIFICIAL INTELLIGENCE TECHNOLOGIES AS REAL TIME ARABIC SIGN LANGUAGE TRANSLATOR, FACIAL EXPRESSION RECOGNITION AND RECOMMENDATION SYSTEM.
Oct. 2021-now

- Setup and implement the database schema.
- Implement multiple user type registration.
- Used django signals to create user profile after registering.
- Implement quiz system teacher can assign quiz to students enrolled in course.
- Tools: Python, Django, Javascript, Docker, Html, Css.

Task State API ⊡

API THAT CHANGES THE TASK STATUS BASED ON PREDEFINED STATE MACHINE DRAFT → ACTIVE → DONE → ARCHIVED.
Dec. 2022

- Used Django Rest to implement the api.
- Used Postman to test the api.
- Tools: Django Rest Framework, Postman, Docker.

Blog Application

Django Web Application that users can login with username and password ,user can create, update, delete post

Nov. 2021

- Used Django functions based views to create the crud operations.
- implement simple category search.
- Tools: Django, Docker, Html, Css.

Fish Market Detection

Fish Market Detection is a Django web application to predict the fish species, the dataset contains 7 common different fish species.

Jan. 2021

- Used logistic regression model to detect the fish species.
- Used django to take the user input to extract predicted values from the logistic regression model.
- Tools: Django, numpy, pandas, Data cleaning, Data visualization, Machine learning.

Education

Computer Engineering Department, Mansoura University

Mansoura, Egypt

BSc in Computer Engineering

Sep. 2017 - Present

- Cumulative percentage: 81% (Very Good).
- Expected graduation: Jul - 2022.

Skills

- Python - C++ - Java familier.
- Django - Django Rest Framework - Postgresql - Sql - Docker basics.
- Html - Css - Javascript familier.
- Data Structures - Algorithms - Database -OOP - Problem Solving.
- Data Cleaning - Data Visualization - Machine Learning basics.
- Scikit-learn - NumPy - Pandas - Matplotlib.
- Git - Github.

Extracurricular Activity

CAT Reloaded

Mansoura, Egypt

CAT Reloaded is a technical community in Mansoura University which is interested in computer science's fields.

Dec. 2019 - Jul. 2021

- Data Science Member working on real data applying machine learning techniques to gain insight to aid in decision-making.
- HR Member.