BILAL ABOUZID *BACKEND ENGINEER*

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SUMMARY

I am Bilal Abouzid, Computer Engineering Master student. I have worked hard through my journey to keep up with my academic path and combine it with self-reliance by learning other technologies and tools. I'm more into backend development, so I managed to improve my backend skills and learn various tools & frameworks [**NodeJS**, **Laravel**, **SQL**, **APIs**], Servers and **Linux** environment, Version Control system (**Git**), **Docker** and other technologies.

I have done a Software Engineering internship and worked on many personal projects to practice my problem-solving skills and technical skills. Check you GitHub.

KEY SKILLS

- Data Modeling & Designing.
- Database Management.
- App & Web Development.
- Testing & Debugging.
- Familiarity with Linux.

TOOL STACK

PROGRAMMING LANGUAGES	WEB-DEVELOPMENT	DATABASE
Java	NodeJS(ExpressJS)	SQL (MSSQL, MySQL)
Python	PHP(Laravel)	NoSQL (MongoDB)
	ReactJS	

PROFESSIONAL EXPERAINCE

Software Engineer (Intern)| OMNISHOE |Rabat, MA | Jun 2021 – Aug 2021

Assignments:

- Building a website from scratch that satisfies the client's requirements.
- Went through the designing, implementing, and documenting phases of the project.
- I used a mix of **Design Patterns** to build the structure of the website and make it **SCALABLE** and **FLEXIBLE** to meet any future updates and changes.

Other assignments I got involved in:

- The conception of the website's functionality.
- Research on public APIs that can be helpful for our project.
- Design the technical architecture of the website using [**UML**].
- Develop the website using [**Laravel** framework of **PHP**, **MySQL**, and **MongoDB**].
- The integration and deployment of the website in a cloud environment.
- The preparation and issuance of the project's technical solution document.

OTHER PROJECTS

Inventory Management App (Freelance Project) NodeJS, Express, React Native, MongoDB | Jun 2022 🔗

The client asked for an app to show dashboard of his factory business, calculated statistics, update the current status, and finally login to his account.

Technical Details

- **Database:** MongoDB on MongoDB Atlas.
- **Server Environment:** set up NodeJS as platform and run it on Heroku.
- **Backend Framework:** used ExpressJS write the APIs that handle the requests, authentication, connect with the database, and pass the data to frontend views.
- **Frontend:** React Native on the fronted with other component libraries such as NativeBase, React Navigation.

Breast Cancer Classification (Thesis Project) | Python + SKLearn + Anaconda| May 2022. The Notebook 🔗 **| Thesis Preview** 🔗

This project is the experiment I did while writing my Bachelor's Research Paper (Thesis) to the answer my Thesis questions.

Technical Details

- **Data**: Wisconsin Diagnostic Breast Cancer (WDBC).
- **Environment & Libraries:** Python 3 + Anaconda + SKLearn.

Project Details

In this experiment, I went through the whole process of Data Science. I started by choosing the correct Breast Cancer Data. Then, I applied the Exploratory Data Analysis (EDA). After cleaning the data, I applied the models and algorithms using different Machine Learning techniques: Single Model and Ensemble Model. Finally, I calculated and combined the models' accuracy to compare each model's performance and answer my thesis questions.

EDUCATION

Cyprus International University	Nicosia, TRNC	
Master of Science, Computer Engineering	2022 – 2024	
PIIMT - Private International Institute of Management & Technology	Rabat, MA	
Bachelor of Science, Computer Engineering	2019 – 2022	

LANGUAGES

English: Proficient.

Arabic: Native.

Bosnian: Beginner.