



NOURELDIN MOHAMED

SOFTWARE DEVELOPER

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 Nouredin Mohamed | LinkedIn |  Nouredin Mohamed | GitHub

PROFILE

Passionate about Data Science and Software Development, I'm driven by curiosity and a love for innovation. With a strong interest in leveraging AI for problem-solving, I demonstrate dedication to continuous learning and growth in these dynamic fields.

Military status: Exempted

EXPERIENCE

MADKOUR – Full stack developer

Apr 2023 – Present

- Junior Full Stack Developer in a newly established department, tasked with crafting and deploying a comprehensive organizational system using ERPNext and Frappe frameworks.
- Responsibilities encompass diverse aspects of software development and system integration.
- Valuable experience gained in working on electricity and water meters, utilizing ERPNext, Node-RED, and ThingsBoard for efficient data management and monitoring.
- Contributions to seamless integration of systems, enhancing functionality and usability.
- Under the guidance of my manager, led the development of a mobile payment application, enabling users to conveniently recharge their electricity and water meters directly from their smartphones.

ERPCloud Systems – Backend developer

Nov 2022 – Apr 2023

- Designed and generated SQL reports for diverse clients utilizing ERPNext's extensive database.
- Optimized SQL queries to improve the performance of existing reports.
- Developed and implemented API endpoints for ERPNext's initial mobile application, NextApp, successfully adhering to a rigorous release schedule.
- Customized module behavior on both client and server sides within the ERPNext ecosystem.

DIPLOMAS

Epsilon Ai – Certified Data Scientist Professional

Nov 2022 – Oct 2023

Participated in a comprehensive data science internship covering Python programming, web scraping, databases, mathematics, exploratory data analysis, data visualization, machine learning, software engineering, and career advancement. Executed real-world projects and a capstone project, showcasing practical skills in each module.

EDUCATION

Faculty of Computer science, CS

Modern Science and Arts University (MSA)

2017 – 2022

Egypt

Faculty of Computer science, CS

University of Greenwich

2017 – 2022

United Kingdom

LANGUAGES

Arabic

Native

English

Very good

SKILLS

- Python
 1. Pandas
 2. NumPy
 3. Plotly
 4. Seaborn
 5. Matplotlib
 - SQL
 - NodeJS
 - Frappe
 - MariaDB
 - PostgreSQL
 - MongoDB
 - CSS
 - ERPNext
 - ERP Developments
 - Express
 - C#
 - C++
 - Java
 - Jira
 - Node-Red
 - Thinksboard
 - PowerBi
 - Docker
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CERTIFICATES & COURSES

AI – Huawei 2020

Successfully completed the Huawei certification requirements.

Android – Instant software solutions 2020

Successfully completed the android course supported by UFCI.

Certified Data Scientist Professional – Epsilon AI 2022 – 2023

I Have Successfully Completed the Requirements to be recognized as a Certified Data Scientist Professional

PROJECTS

Lung cancer prediction and detection.

Developed a diagnostic system for early lung cancer detection, classifying malignant, benign, and normal cases using machine learning.

Data Analysis for Age Dataset

Analyzed and preprocessed a historical dataset of 1.22 million records, extracting insights about life, work, and death patterns.

Data analysis and data preprocessing for Bank dataset.

I've done analysis, data engineer and data visualization for that dataset.

Credit Risk Analysis and Clustering

Combined unsupervised learning with logistic regression to improve risk assessment and customer acquisition strategies for a credit card company.

Loan Default Prediction

Applied machine learning to predict loan defaults using a dataset of 255,347 rows and 18 columns, enhancing skills in data modeling and predictive analytics.

Grocery shop using C#

Developed a C# application for grocery shopping, allowing admin management of inventory and users to add items to a cart and purchase them.

School management system using Java

Created a Java-based system for managing school operations, enabling teachers to add exam schedules and track student performance.

3D game using C#

Built a 3D game in C# featuring a cube navigating over other cubes, focusing on interactive gameplay and 3D environment design.

Real-Time Weather Dashboard using Python and Flask

Built a real-time weather dashboard using Python and Flask, integrating with a weather API to display current temperature, humidity, and conditions. Enhanced skills in web development, API integration, and data visualization.