Noureldin Mohamed

Software Engineer

Cairo, Egypt

📞 +20-1011226772   ✉ nour.eldin06@gmail.com   in Linkedin   ⌂ GitHub   🌐 Portfolio

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.

Education

University of Greenwich   2017 - 2022
Bachelor of Computer Science   *United Kingdom*

Modern Science and Arts University   2017 - 2022
Bachelor of Computer Science   *Egypt*

Experience

Madkour   Apr 2023 - Present
Junior Full-Stack Developer   *Cairo, Egypt*

- 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   Nov 2022 - Apr 2023
Backend Developer   *Cairo, Egypt*

- Generated SQL Reports for different clients across ERPNext's huge database.
- Increase the performance of some of previous reports using SQL.
- Translated ERPNext processes into API endpoints for the first ERPNext mobile app (NextApp) and achieved the tight deadline of the first release.
- Customized the behivor of different modules on the client and server side of ERPNext.

Internships

Epsilon Ai   Nov 2022 - Oct 2023
Certified Data Scientist Professional   *Cairo, Egypt*

- 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.

Certificates

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.

Languages

English: Very Good
Arabic: Native

Technical Skills

Programming Languages: Python, C#, C++, Java, SQL

Data Analysis: Pandas, NumPy, Plotly, Seaborn, Matplotlib

Databases: MariaDB, PostgreSQL, MongoDB

Business Intelligence: Power BI, Data Visualization, Reporting Dashboards

Frameworks & Libraries: Frappe, ERPNext, NodeJS, Express

Tools & Other Skills: Docker, Jira, Node-Red, Thinksboard, CSS

Methodologies: Agile Methodologies, Data Modeling, Data Wrangling

Projects

Lung Cancer Prediction and Detection | *Machine Learning and Deep Learning*
- Developed a project for lung cancer prediction using machine learning algorithms such as SVM, KNN, and Logistic Regression. Additionally, utilized a CNN deep learning algorithm for detection.

Data Analysis and Data Preprocessing for Age Dataset: Life, Work, and Death of 1.22M People | *Data Analysis*
- Analyzed and preprocessed a dataset containing records of 1.22 million people from ancient times to the present.

Credit Risk Analysis and Clustering | *Data Analysis and Machine Learning*
- Enhanced credit risk assessment accuracy and cost efficiency in customer acquisition for a credit card company by combining unsupervised learning with logistic regression.

Loan Default Prediction | *Data Analysis and Machine Learning*
- Participated in the Coursera Loan Default Prediction Challenge, applying machine learning to a dataset with 255,347 rows and 18 columns to address financial industry issues, gaining hands-on experience in data modeling and predictive analytics.

Data Analysis and Data Preprocessing for Bank Dataset | *Data Analysis*
- Performed analysis, data engineering, and data visualization on a bank dataset.

Grocery Shop using C# | *Software*
- Developed an application where the admin can add vegetables and fruits to the database, allowing users to add items to their cart and make purchases.

School management system using Java | *Software*
- Creating a system for a school to allow teachers to add the exam time, etc.

3D game using C# | *Software*
- It about cube moving over each other.

Real-Time Weather Dashboard using Python and Flask | *Software*
- 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.