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## Ismail Khodr Kattar

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• Tripoli, Lebanon • [Ismailkhodrkattar@gmail.com](mailto:Ismailkhodrkattar@gmail.com) • +96176413836 • [LinkedIn](#)

Fresh graduate with a strong foundation in data science, AI, and technology. Skilled in Python, cloud computing, and AI-driven solutions, with practical experience in deploying machine learning models. Passionate about applying the latest technologies to optimize business processes and enhance decision-making. Young yet mature university leaver with developed employability, project management skills and personal attributes that support the transition from education to full-time employment.

### Education

#### LEBANESE UNIVERSITY

Bachelor, Data Science

Beirut, Lebanon

10 / 2021 - 07 / 2024

- **Course Work:** Machine Learning, Data Mining, Data Analysis with R, DBMS, Introduction to Big Data, Data Structure, Web Development, and Project Management.
- **Final Year Project:** Designed an emotion recognition model using audio data (evaluated as the best project with 85/100).

#### ZAKA AI

Data Science Specialization

Remotely

05 / 2024 - 10 / 2024

- **Course Work:** Data Science Foundation, Machine Learning Foundation, Statistical Modeling, Deep Learning, Storytelling and Data Science Toolkit.
- **Cohort Project:** Built an image segmentation model for a startup (Kizana), reducing inference time by more than 90% and model size to less than 25 MB, while fine-tuning LLMs for future work.

### Experience

#### CEDARS BC

Data Scientist Intern

Tripoli, Lebanon

10 / 2023 - 02 / 2024

- Deployed machine learning models and AI solutions on Microsoft Azure, optimizing decision-making processes.
- Integrated Python with Power BI to streamline analysis and graph selection, reducing report preparation time by 30%.
- Created Power BI dashboards that boosted stakeholder engagement by 20%, contributing to data-driven decisions.

#### K-ZONE

Data Entry Specialist

Tripoli, Lebanon

09 / 2020 - 03 / 2023

- Utilized Microsoft Excel for data management, handling over 7000 data entries.
- Recommended and implemented the use of Google Sheets to replace paper-based data tracking, reducing data entry errors by more than 50% and doubling the speed of data processing.
- Collaborated with team members to identify and resolve data-related issues, enhancing the overall quality of the database and excelling in a high-stress environment.

### Skill & Interest

**Technical:** Python, R, SQL, MongoDB, Java, HTML, CSS, PHP, TensorFlow, Scrapy and BeautifulSoup

**Soft Skills:** Problem Solving, Time Management, Team Collaboration, Project Management and Adaptability.

**Language:** Arabic (Native), French (A2) and English (C2).

## Certifications

- **Data Analysis Using Python From IBM:** Certified in Data Analysis with Python by IBM, issued on November 19, 2023, through Credly. Gained proficiency in data analysis using Python, focusing on key areas such as data importing, cleaning, and preparation, statistical analysis, and machine learning model development and evaluation. Mastered tools like pandas, scikit-learn, and SciPy, and developed skills in creating data visualizations and pipelines.
- **MongoDB Python Developer:** Certified in MongoDB Python Development, issued on August 2024. Acquired proficiency in MongoDB, focusing on key areas such as document modeling, CRUD operations, data modeling, indexing and integration of MongoDB with Python, and development of complex aggregation pipelines.
- **Data Science Certification with ZAKA AI:** Enrolled in a Data Science specialization course with ZAKA AI, which began in May. Gained expertise in the entire data science life cycle, from preparing and analyzing data to building deep learning models, evaluating them, and creating comprehensive reports. Demonstrated these skills by applying them to a cohort project focused on image segmentation.
- **Employment Hub Program:** Participated in the Employment Hub Program with Nawaya Network and UNICEF since August 2024. Developed essential employability skills and personal attributes necessary for a successful transition from education to full-time employment. In addition to 24-hours