Sana El Koussa

TELECOMMUNICATION ENGINEER| DATA ANALYST

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Objective

A passionate recent graduate in Communication and Electronics Engineering who is eager to secure a Data Analyst position where I can apply my skills in analytics and pursue my interest in deriving valuable data insights.

Education

-Certified Data Analyst   **May 2024-October 2024**
Zaka AI

-Bachelor degree in Communication and Electronics Engineering   **September 2021-June 2024**
University Of Beirut Arab University

Work Experience

-Capstone project: Public Transportation Optimization   **August 2024-October 2024**
Zaka AI

- Collected, cleaned, and preprocessed large datasets from multiple transportation agencies.
- Conducted exploratory data analysis to identify spending patterns across agencies, pinpoint areas of inefficiency, and understand where funds were being allocated.
- Visualized key findings using Tableau, a data visualization tool.
- Applied machine learning techniques, including Random Forest, to predict the likelihood of transportation failures based on various factors.

-Internship:Telecommunication Network and Systems   **September 2023-October 2023**
Ogero, Tripoli,Lebanon

- Analyzed real-life scenarios in telecommunications systems, identifying key issues such as network congestion, service interruptions, and performance degradation, and contributed to proposed solutions.
- Gained in-depth understanding of how communication systems function, including the architecture of DSL and fiber optic networks, and how they support reliable internet services.
- Explored telecommunications infrastructure, including the physical and logical components, and their role in ensuring seamless communication.

Computer and Technical Skills

- Language R
- Data Collection and Cleaning
- Exploratory Data Analysis (EDA)
- Data visualization using Tableau, Power BI
- Microsoft Office: Word, PowerPoint, Excel

Languages

- Arabic (Native)
- English (Fluent)
- French (Intermediate)

Volunteering

-Lebanese Red Cross (Emergency Medical Services) Sector   **November 2023-present**

- Member in Secretariat Committee
- Contributed to organizing a key annual event in the Sector
- Emergency Medical Technician
- First Response Training
- First Aid Training