Hassan Abu Alhaj

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EXPERIENCE

Data Analysis Intern, *Medical Onex*   Oct 2022 – present
Created and analyzed team and product performance metrics. Presented findings and projections in the form of dashboards and visualizations. Dealt with a large number of relational databases. Executed tasks using PostgreSQL and Metabase.

Technical Instructor, *Eureka Tech Academy*   Mar 2022 – present
Responsibilities included teaching 3 different levels to students (10-16 years old), curriculum design and content writing for programming levels, and interviewing of prospective students. Concepts taught included basic concepts of engineering, basic and advanced electronic components, and programming with python.

Data Analysis Industry Training, *Brainnest*   Aug 2022 – Sep 2022
Defined, calculated, interpreted, and found relationships between statistical concepts and tests. Explained and executed the steps of hypothesis testing. Conducted analysis using IBM SPSS.

EDUCATION

BSc. in Data Science and Artificial Intelligence,   2020 – 2024
Princess Sumaya University for Technology

SKILLS

Python (NumPy, Pandas, Scikit Learn, PySpark, Matplotlib) | **SQL** (MySQL, Postgres) | **C++**

Machine Learning | **ETL** | **Data Analysis** | **Data Visualization** | **Pattern Identification**

VOLUNTARY WORK

Google Developer Student Club PSUT   Mar 2022 – present
Technical Lead/Core Team Member handling operations, treasury and giving tech talks. Jointly responsible for recruitment of core team members, PR, logistic planning and event organizing.

Data Entry and Public Service   May 2021 – Jul 2021
Jordanian MOH's COVID - 19 Vaccination Campaign

Model UN Conferences
Media Team (YouthMUN 2020), Deputy SG & Chair (IECAP MUN 2019), Organizer (IECAP MUN 2018)

PROJECTS

Detective Database System
Created data requirements, ERD, relational schema and entire relational database structure, as well as a python script for generating mock data.

Malware Analysis In PDFs
Conducted research on types on malware steganography in PDFs and malware analysis approaches. Designed and implemented a system using a machine learning approach to detect malicious PDFs.

LANGUAGES

- Arabic
- English