

Mohammad Al-Batayneh

PERSONAL INFORMATION

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EDUCATION

UNIVERSITY OF JORDAN
Bachelor of Data Science.

Jordan, Amman
2021-2025

EXPERIENCE

PalmEar
Data Scientist

Jordan, Amman, Hybrid
January 2025-Present

- Developed and optimized multiprocessing algorithms, improving processing time by 80%.
- Analyzed and cleaned 60GB+ of sound data, reducing model complexity and feature dimensions by over 30%..
- Built and experimented with machine learning models, conducting feature selection to optimize performance.

Mawdoo3 Group
Business Development Intern

Jordan, Amman, Hybrid
June 2024-January 2025

- Spearheaded lead generation initiatives, driving expansion into India and international markets, showcasing strategic thinking and market analysis skills.
- Engineered an automated solution for spreadsheet and PDF workflows using Python, boosting data accuracy by 30% and accelerating report generation. demonstrating problem-solving and technical proficiency.
- Designed Excel trackers to optimize content delivery, illustrating meticulous attention to detail and project management capabilities.

IlearnJo
Full stack developer intern

Jordan, Amman
October 2023-January 2024

- Developed backend components for a project management web app using PHP, Laravel, and MySQL, proving technical expertise and coding proficiency.
- Automated template preparation with Python scripts, reducing time by 66% and speeding up project completion, highlighting efficiency and innovation.
- Collaborated with the team via Git and Jira to manage code and tasks, exemplifying teamwork, organization, and effective communication.

PROJECTS

AI Signs | *Python, JavaScript, Tensorflow, OpenCV*

- Graduation Project: An AI powered application that translates Jordanian Sign language.
- Designed the AI system and workflow, wrote python scripts for data collection, designed post and preprocessing procedures for better AI performance.

Data Warehouse Project | *SQL, PgAdmin, LucidCharts*

https://github.com/bataynehscave/dwh_project

- Designed and built a data warehouse following medallion architecture using SQL
- Wrote ETL pipeline and separate scripts for data quality checks

Movie Recommendation System | *Python, Django, celery, docker*

- Developed a full-stack web application where users can create accounts, log in, rate movies, and receive personalized movie recommendations based on their ratings.
- Prepared a Singular Value Decomposition (SVD) recommender model using Surprise Scikit-learn for tailored recommendations achieving over 85% accuracy..
- Integrated Celery to automate machine learning model training, inference, and regular database updates.

Phishing Links Detector | *Python, Machine learning, NLP*

- Defined a custom machine learning algorithm by combining bagging and boosting techniques to improve prediction accuracy achieving 87% accuracy which is a 2% increase from traditional bagging model.
- Utilized Pandas, NumPy, and Matplotlib for data analysis and visualization

Shakespeare AI mimic | *Python, Machine learning, NLP, Tensorflow*

- Successfully built a deep learning model utilizing TensorFlow to generate poetry emulating the style of Shakespeare's works.
- Worked extensively with and processed text data to train the generative model effectively.

Tech-trends Dashboard | *IBM Cognos Analytics, Data Analysis, Data Modelling, Data Visualization*

- Designed and created a dashboard that visualizes trends in technology usage, including frameworks and programming languages.
- Ensured the design is minimalist yet appealing, focusing on providing an informative and user-friendly experience.

TECHNICAL SKILLS

- Programming: Python, Javascript, Php, SQL
- Frameworks: Pytorch, TensorFlow, Pandas, Scikit-learn, Numpy, SciPy, Django, FastAPI
- Machine learning, Deep Learning
- MLOPS: DVC, MLFlow, Airflow
- Big Data, Data Engineering and Cloud Computing
- Data analysis, Data Visualisation, Excel, PowerBi
- Math, Statistics, Linear Algebra, Calculus, Optimization, Linear Programming
- Database management, Data Modelling
- Version Control, Git, Github

COURSES

- IBM Data Science Specialization
- IBM Data Analyst Professional Certificate
- Stanford Machine Learning Specialization
- Scientific Computing with python FreeCodeCamp

EXTRACURRICULAR

GJU 3030 AI COMPETITION | *1st Place Holder*

May 2025

- Secured First Place in GJU competition for AI.

IEEE Ju Chapter | *volunteer*

April 2022-December 2023

- Organized events and liaised with guests and professors to ensure smooth coordination.

Chess Tournament

September 2019

- Competed in the Kingdom's schools chess tournament and secured 3rd place

