

# Mohammad Al-Batayneh

## PERSONAL INFORMATION

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**Github:** <https://github.com/bataynehscave>

**Personal Website:** <https://bataynehscave.github.io/>

## EDUCATION

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UNIVERSITY OF JORDAN

*Bachelor of Data Science.*

Jordan, Amman

2021-2025

## EXPERIENCE

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### Mawdoo3 Group

Jordan, Amman, Hybrid

*Business Development Intern*

June 2024-Present

- Spearheaded lead generation initiatives to support expansion into India and other international markets.
- Devised an automated solution for repetitive spreadsheet and PDF workflows using Python, which enhanced data accuracy by 30% and allowed for faster report generation, directly impacting decision-making processes.
- Designed and implemented Excel-based trackers to monitor and optimize content delivery processes
- Facilitated clear communication between teams and external partners, ensuring the efficient transfer of information.
- Authored impactful PowerPoint presentations for events and translated documents for internal and external stakeholders

### BCG Data Science Job Simulation on Forage

Remote

*Data Scientist*

Nov 2024

- Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach
- Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation.
- Completed the engineering and optimization of a random forest model, achieving an 85% accuracy rate in predicting customer churn.
- Facilitated clear communication between teams and external partners, ensuring the efficient transfer of information.
- Completed a concise executive summary for the Associate Director, delivering actionable insights for informed decision-making based on the analysis.

## IlearnJo Jordan, Amman

### Full stack developer intern

October 2023-January 2024

- Contributed to backend development for a project management web application using PHP, Laravel, and MySQL.
- Developed Python scripts that reduced template preparation time from 3 days to 1 day, cutting the process by 66%. This automation accelerated project completion by 2 days, allowing the team to meet tight deadlines and focus on other critical tasks.
- Collaborated with the development team via Git and Jira to manage code revisions and task assignments effectively.
- Used Redis for fast caching and utilized Docker to streamline deployment processes.

## PROJECTS

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

August 2024-September 2024

- 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.
- Integrated Celery to automate machine learning model training, inference, and regular database updates.

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

November 2023-December 2023

- Engineered features from a dataset of links labeled as phishing or safe to develop a classification model..
- 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*

September 2024

- **Model Creation:** Successfully built a deep learning model utilizing TensorFlow to generate poetry emulating the style of Shakespeare's works.
- **Text Data Processing:** 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*

February 2024

- **Dashboard Creation:** Designed and created a dashboard that visualizes trends in technology usage, including frameworks and programming languages.
- **Minimalist Design:** Ensured the design is minimalist yet appealing, focusing on providing an informative and user-friendly experience.
- **Data Visualization Best Practices:** Adhered to data visualization best practices to convey information effectively and enhance the interpretability of trends.

## HARD SKILLS

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- Programming: Python, Javascript, Php, SQL
- Frameworks: TensorFlow, Pandas, Scikit-learn, Numpy, SciPy, Django, FastAPI, React
- Machine learning, Deep Learning
- Data analysis, Data Visualisation, Excel, PowerBi
- Math, Statistics, Linear Algebra
- Full stack development
- Database management, Data Modelling

- Version Control, Git, Github
- MLOPS

## SOFT SKILLS

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- Communication
- Problem solving
- Teamworking
- Presentations
- Time Management
- Tech Savvy

## COURSES

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- IBM Data Science Professional Certification
- Stanford Machine Learning Specialization
- Scientific Computing with python FreeCodeCamp
- AWS Cloud Foundations

## EXTRACURRICULAR

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### IEEE Ju Chapter | *volunteer*

**April 2022-December 2023**

- Organized events and liaised with guests and professors to ensure smooth coordination.
- Engaged with new students, introducing them to the community and helping them explore different majors at the university

### Chess Tournament

**September 2019**

- Competed in the Kingdom's schools chess tournament, showcasing strategic thinking and adaptability, and secured 3rd place