



Ammar Daoud

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DATA ENGINEER / DATA SCIENTIST

A passionate and results-driven student with a strong business and IT background, seeking roles that value communication and leadership. Skilled in conducting in-depth analysis and effectively managing complex datasets, I have collaborated with stakeholders to develop and optimize reporting solutions, creating high-quality dashboards and visualizations. Committed to personal growth and aspiring to become a future leader in business and innovation.

KEY COMPETENCIES

- **Data Science:** Proficient in data analysis and machine learning techniques.
 - **Technical Skills:** Python, SQL, R, Microsoft Power BI, Bubble, APIs, Git.
 - **Web Development:** Html, CSS, JavaScript, ReactJS, NodeJS, MongoDB.
 - **Project Management:** Experienced in leading teams and delivering successful projects.
 - **Market Research:** Skilled in conducting market research and analysis.
 - **Salesforce:** Implementing digital transformation solutions.
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PROJECTS

PDFparsing Application

- Created a PDF Q&A app using PyPDF2 library for PDF parsing and text extraction.
- Utilized regular expressions and string manipulation techniques for text preprocessing.
- Created a user-friendly interface using Flask web framework for uploading PDF files and entering questions.
- Utilized a pre-trained BERT-based model from Hugging Face Transformers library.
- Tested and refined for performance and accuracy.
- Deployed the app using Flask's development server.
- Provided a guide for building similar PDF Question-Answering apps.
- Highlighted app's potential benefits for document management and productivity.

A Gift Suggestion App (Giftr.io)

- Developed giftr.io, an AI-powered gift suggestion app using Bubble.io for the front end and GPT API for the back end.
- Enabled users to input gender, age, hobbies, & budget to receive personalized gift ideas.
- Fine-tuned prompt engineering to achieve accurate and satisfying results.
- The app is focused on exploring no-code tools and open-source AI/LLM APIs.
- Completed planning, rough sketch, and website copy in 2 hours, learning curve for new tools in 3-4 hours, and 3 hours for fine-tuning and connecting front-end.
- Potential monetization options: web scraping, subscriptions, affiliate links, & partnerships.



Melbourne Home Price Analysis & Predictions

- Led a team of 3 in accurately predicting home prices in Melbourne, Australia.
- Utilized data exploration, visualization, and preprocessing techniques.
- Applied advanced machine learning models, including Random Forest, Ridge, Lasso, Bayesian, ElasticNet, and Linear Regression.
- Demonstrated the ability to handle large datasets and reduce variance and overfitting.

Analysis & Predictions of Gross Agricultural Production Value of the MENA Region

- Conducted a data science and machine learning project to predict agricultural production in the MENA region using data from FAO.
- Performed exploratory data analysis, feature selection, and data preprocessing for accurate model inputs.
- Developed and evaluated machine learning models, including multivariate linear regression and decision tree regression.
- Optimized model performance through fine-tuning parameters to successfully forecast agricultural production in the diverse and complex MENA region.

Basic Used Cars Price Prediction Model

- Developed a price prediction model for used cars.
- Conducted data cleaning and preprocessing using pandas.
- Utilized feature engineering and correlation analysis to identify relevant features.
- Trained and evaluated multiple machine learning models, including linear regression, decision tree, and random forest.

OTHER EXPERIENCES

- Led teams in developing a cybersecurity training web app and implementing Salesforce-based digital transformations for global brands.
- Conducted market research for a successful café launch, led financial activities for a social impact bakery, and volunteered as a team lead for web development workshops and course development for children.

EDUCATION

University of West England

Bachelor of Computer Science (Honors)

2021 - 2024

Taylors University

Bachelor of Computer Science (Honors)

2021 - 2024

Swinburne University of Technology

Foundation in Engineering

2020 - 2021

LANGUAGES

English | Arabic | French