AHMED AL-AJLOUNI
Data Scientist

Summary

Data-Driven Engineer: Results-oriented data scientist with an engineering mindset and background, leveraging analytical skills and machine learning expertise to solve complex problems and drive innovation. Passionate about optimizing processes and making data-driven decisions for impactful results. Team player with excellent problem-solving skills and a passion for continuous learning.

Contact Info

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GitHub kaggle Be   Ahmed M. Al-Ajlouni

Experience

Course Creator & Instructor, Teaching Assistant at Applied Science University (April 2024 – August 2024)

BTEC Programme (Data Science & AI), Faculty of Information Technology, Department of Data Science & AI
- Developed & delivered a **12-week** online **Data Science & AI** program.
- Create **first-rate materials** (slides, videos and code notebooks) & **hands-on projects** for practical learning.
- Mentored and supported **~100** students and awarded scholarships to top performers.

Intern, Data Science at Aumet (November 2023 – May 2024)

➢ **PharmaVoice: Enhancing Drug Name Recognition with Synthetic Speech (Speech-to-Text)**
- Developed a speech-to-text model, recognizing **15k+** complex drug names.
- Reduced development time by **90%** (from months to **days**) through automated generation of **180K+** multilingual synthetic recordings (accents, genders, and noise levels), **making the project feasible.**

➢ **Automating Product Categorization with Machine Learning**
- Multilingual ML Model (**90%+** accuracy): **90%** time reduction (handle **40K+** products in mins) serve **4** regions
- Improved data quality & retraining accuracy by leveraging model to **fix labeling inconsistencies** in old data.

➢ **Forecasting the Product Demand with Machine Learning**
- Developed high-accuracy (**over 60%** improvement) **country-specific** ML models tailored to each country's profile through hyperparameter tuning and addressing data inconsistencies and outliers removal.
- Optimized workflow **(90% faster, 70-80% less memory)** by parsing relevant data (Last Month vs. 3 Years).

➢ **Ask the Genie**
- Built NLP chatbot that understands user intent leading to **60%** improvement in finding **data-driven** answers.
- Chatbot **automatically** understands user **filters** (Time, Geo, Product, ATC, etc.) for tailored data responses.
- Enabled users to gain market insights and make **strategic data-driven** decisions.

Intern, Data Science at Beyond Limits (March 2023 – September 2023)
- Bridged data science and business, exploring diverse industries, learned business fundamentals (ROI, SEO), marketing & audience targeting (cross/up-selling, geo-targeting, organic, email, social media marketing.
- Strengthened technical proficiency in Python libraries for data analysis, visualization, and ML modeling.

Intern, Data Science at Tahaluf Al Emarat Technical Solutions (September 2021 – September 2023)
- Data & AI Skills (Online Internship): Python, data analysis, visualization, machine learning & computer vision
- Participated in numerous Kaggle competitions on different topics and domains.

Freelancer, Energy Auditing and Building Energy Modeling (September 2018 – Present)
- Computer-modeled energy audits achieved cost savings & LEED/LCCA goals via sustainable design.

Professional Skills

- Machine Learning
- Data Visualization
- Data Storytelling
- Data Analysis
- Exploratory Data Analysis (EDA)
- Data Cleaning
- Data Wrangling
- Statistical Analysis
- Programming & Algorithms
- Debugging
- Python & C++
- APIs & Web Scraping
- Natural Language Processing (NLP)
- Git Version Control System
- Jupyter Notebooks
- VS Code, PyCharm
- gretl software
- Microsoft Power BI
- Excel , Word, PowerPoint
- AutoCAD & BEM software's

Personal Skills

- Science & knowledge addiction
- Creative Thinking
- Problem-Solving Skills
- Strong Attention to Detail
- Self-Motivated and Tenacious
- Hardworking, Efficient and Loyal
- Time Management
- Collaborative Team Player
- Excellent Communication Skills
- Adaptability

Volunteering

- Member at the Association of Energy Engineers (AEE) branch at the university.
- Member in IME student organization helps students, especially first-year students in the university.

Education

Jordan University of Science and Technology (J.U.S.T), B.Sc. in Mechanical Engineering (2016-2021)
- 3.53 GPA (Excellent, Top 18% of the Batch).
- The B.Sc. Program is accredited by the Engineering Accreditation Commission of ABET/ USA

Self-Learning Project

➢ **Self-Directed Learning (YouTube & More):**
- Leveraged data analysis & Python to improve self-learning journey tracking **(630% increase)**, revealing my remarkable investment of **1.2k+** hours across platforms (Coursera, Udemy, YouTube).

Certifications

- AI for Business Leaders & Data Science from Zero to Hero
- Understand The Basics Of Machine Learning
- Series of 7 courses: "ML & Data Science from Zero to Hero"
- Learn Python 3
- Data Science & Machine Learning
- Introduction to Python Programming

Languages

Arabic: Native
English: Proficient

References

Available upon request