# Mohamed Elmaghrabi

**Data Scientist | Portfolio: www.yourwebsite.com**
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## Career Summary:

Accomplished **Data** Scientist with a strong foundation in Artificial Intelligence (AI), Machine Learning (ML), and Advanced Analytics, backed by a **Postgraduate Diploma in AI & ML and a Postgraduate Program in Data Science**. Proven experience in developing predictive models, performing comprehensive data preprocessing, and applying statistical modeling to drive strategic decision-making.

Proficient **in Python (Pandas, Scikit-learn, TensorFlow) and SQL** for end-to-end data workflows—from data analysis and model development to deployment. **Skilled in data visualization using Power BI and Tableau, translating complex datasets into actionable business insights.** Familiar with deploying models and working with cloud platforms such as **Microsoft Azure and AWS.**

In addition, I bring around **8 years of experience in .NET and full-stack development,** enabling the seamless integration of machine learning models into scalable, production-ready enterprise applications.

## Core Competencies:

- Data Analysis & Visualization
- Machine Learning & AI
- Statistical Modeling & Hypothesis Testing
- Data Wrangling & Cleaning
- Big Data Technologies
- SQL & Database Management
- Cloud Computing & Data Engineering

- Business Intelligence & Data-Driven Strategy
- Data Warehousing
- Visualization Tools: Tableau - Power BI
- Natural Language Processing (NLP)
- Business Intelligence (BI)
- .NET Framework & Core Expertise

- JavaScript & Front-End Frameworks
- HTML5, CSS3, and Bootstrap
- Entity Framework & LINQ
- SQL Server & Database Management
- C# Programming
- ASP.NET MVC & Web API
- Problem Solving & Debugging

## Achievements:

- Developed a modular car rental system with real-time inventory updates and automated billing, enhancing operational efficiency and customer experience. **2024**
- Designed a comprehensive employee database system using SQL to optimize HR performance evaluations, salary benchmarks, and resource allocation. **2024**
- Conducted data analysis on marketing campaigns, identifying trends to optimize product, pricing, and promotional strategies for targeted marketing. **2024**
- Built a machine learning model to predict employee turnover, enabling HR to implement targeted retention strategies and reduce attrition. **2024**
- Developed a dynamic Tableau dashboard to visualize crime trends, empowering law enforcement with data-driven insights for more effective resource allocation. Leveraged advanced data analysis techniques to identify high-risk areas and enhance crime prevention strategies. **2024**
- Developed an interactive Tableau dashboard to visualize crime trends, improving law enforcement resource allocation and prevention strategies. **2024**
- Developed a Full Stack .NET platform for Taif University's Academic Jobs Project, integrating with the Saudi eGovernment (Yesser) API to streamline applicant data and CV management. Created a dynamic scoring system for candidate ranking and automated interview notifications, enhancing recruitment. **2024**
- As a Full Stack .NET Developer, developed and optimized the Arab Poetry Academy platform, endorsed by Royal Prince Khaled Al-Faisal. Managed backend development, database design (SQL, MySQL), and data analysis to streamline poetry submissions, evaluations, and prize distribution. Ensured efficient operations and effective user management in **2023.**
- Developed and restructured a .NET-based promotion platform for efficient departmental asset transfers, including electronic custody agreements, item requests, and notification of authorities. Enhanced platform functionality and user experience. **2022-2023**

## Working Experience:

**Data Scientist Intern | Oeson**                                            **Jan 2025 – Present**

*Oeson - Sweden*

*Value Added:*

- Conducted **data analysis and statistical modelling** to support business intelligence initiatives.
- Utilized Python, SQL, Tableau, and Power BI to create dashboards and reports for data-driven decision-making.
- Assisted in developing **predictive models and machine learning algorithms** to optimize company operations.
- Engaged in **data preprocessing, feature engineering, and exploratory data analysis (EDA)** to refine datasets for analytics.
- Collaborated with senior data scientists and business stakeholders to translate complex data findings into actionable insights.

**Data Scientist - DB Department | Deanship of E-learning and Information Technology**        **2024 – 2025**

*Taif University -(KSA)*

*Value Added:*

- Utilized advanced statistical techniques and machine learning algorithms in Python to analyze large datasets, resulting in actionable insights that supported strategic academic decisions and improved resource allocation.
- Design and implement predictive models to forecast enrollment trends and assess student performance, enhancing operational efficiency and facilitating data-driven planning across departments.
- Employ industry-standard tools such as Python, SQL, Tableau and Power BI for data analysis, ensuring effective communication of insights through dynamic dashboards and comprehensive reports.
- Partner with faculty members and researchers on data-driven projects, focusing on data preprocessing, feature engineering, and model validation to support academic research initiatives and improve student outcomes.
- Transform complex analytical findings into clear visualizations and reports, enhancing stakeholder understanding and supporting data-driven decision-making throughout the university.

**Full Stack .Net Developer | Deanship of E-learning and Information Technology**        **2019 – 2023**

*Taif University - (KSA)*

*Value Added:*

- Spearheaded the implementation and maintenance of university services programs and web applications utilizing technologies such as ASP.NET MVC, ASP.NET Core, HTML, jQuery, JavaScript, Entity Framework, and SQL Server.
- Engaged with various university departments to meticulously gather and analyze requirements, ensuring that web applications and services are tailored to meet specific needs and performance expectations.
- Contributed to a range of projects, including the Houses of Expertise, TU Depot System, Arab Poetry Academy, Promotion System, University Guidance, and the Saudi Society for Dental Technology system, by delivering comprehensive full-stack development and ongoing support.
- Oversaw development operations, integrating new features and enhancements into existing systems while ensuring the delivery of high-quality solutions in an efficient manner.
- Led initiatives to improve system functionality and provided continuous support and maintenance, guaranteeing the reliability and optimal performance of web applications and services.
- Directed the development of an employee performance analysis system leveraging SQL and machine learning techniques, streamlining evaluation processes, and optimizing resource allocation, while collaborating with cross-functional teams to implement a data-driven strategy for university services.

**Full Stack.Net developer | Project Management**                                            **2018 – 2019**

*Taif University - (KSA)*

*Value Added:*

- Designed and built multiple web-based applications from the ground up using ASP.NET MVC and ASP.NET Core, ensuring robust functionality and seamless integration with SQL Server.
- Employed jQuery and Entity Framework to enhance user interface responsiveness and streamline database interactions, while leveraging the Flutter framework to develop cross-platform mobile applications.
- Spearheaded the development of key systems including the Initiatives System, TU Proud System, Training Academy, and Professional Record System, delivering tailored solutions to meet organizational needs.
- Created and maintained the TU Services Mobile App, facilitating user engagement and service accessibility through an intuitive and efficient mobile interface.
- Worked closely with cross-functional teams to ensure successful project execution, from initial concept through to deployment and ongoing maintenance, maintaining high standards of quality and performance.

**Web Designer (UI/UX)**                                                    **2017 – 2018**
*Atiaf Elfagr Agency*


**Web Designer**                                                            **2016 - 2017**
*Alkamal Company*

## Education

- **Post Graduate Program in Data Science | Purdue University, USA**                    **2024**
- **Post Graduate Diploma in Artificial Intelligence and Machine Learning |NIT Warangal, India**    **2023**
  Grade: 3.79/4.00
- **Bachelor's Degree in Computer Engineering |Taif University**                        **2016**

## Courses & Certificates

- **PGP DS - Data Management using SQL | Simplilearn | Sep 2024**
- **PGP DS - Data Visualization using Tableau | Simplilearn | Oct 2024**
- **PG DS Core: Applied Data Science with Python | Simplilearn | May 2024**
- **PGP DS Essentials of Generative AI, Prompt Engineering & ChatGPT | In progress**
- **Google Cloud Platform Fundamentals| In progress**
- **PG DS Foundations: Mathematics and Statistics Essentials| Jan 2024**
- **PCP DE - PySpark Training Course | 2024**
- **AI and ML in Healthcare | Edureka| Sep 2022**
- **Big Data Hadoop Spark Developer |Simplilearn |Oct 2022**
- **Big Data for Data Engineering | IBM | Aug 2022**
- **AWS for Big Data | Simplilearn - Purdue University |2022**
- **ReactJs | Edureka | 2020**
- **DevRel MENA Training of Trainers (TOT) on Flutter – Google |Jan 2019**

## Profile

- **GitHub:** https://github.com/moomug

## Languages

- **Arabic: Native**
- **English: Excellent**
- **Swedish: Basic (Currently improving through SFI program in Swede**