

# Kareem Alshiekh

## Data Analyst

Egyptian National | Based in Riyadh, Saudi Arabia

Riyadh, Saudi Arabia | alshiekhkareem5@gmail.com | 0536693416 | LinkedIn | GitHub

### Professional Summary

Detail-oriented Data Analyst with strong skills in data analysis, data visualization, and data management. Proficient in analyzing large datasets, building insightful dashboards, and delivering data-driven business solutions. Experienced in SQL, Python for data analysis, Excel, Tableau, and Power BI. Knowledgeable in data warehousing concepts. Adept at transforming complex data into actionable insights to support strategic decision-making. Based in Saudi Arabia and eager to contribute analytical expertise to dynamic business environments.

### Experience

#### Web Developer, Freelance – Remote

Dec 2023 – Present

- Designed and implemented ERP systems for SMEs, enhancing inventory tracking efficiency by 30% and reducing payroll errors by 20%.
- Delivered 10+ web and mobile projects using React.js, Laravel, and Node.js, achieving a 95% client satisfaction rate.
- Advised 5+ startups on architecture improvements, reducing system downtime by 20% and improving scalability by 30%.
- Developed and optimized large-scale SQL queries to manage, merge, and retrieve complex business data efficiently across multiple application modules.

#### AI Developer, Remote Outlier – Remote

Feb 2024 – Present

- Engineered effective prompts to fine-tune outputs of large language models (LLMs) for client-specific applications.
- Developed Python scripts to automate tasks including data extraction, text preprocessing, and API integrations.
- Trained and optimized AI models using TensorFlow and PyTorch, achieving improved model accuracy and reduced training times.
- Collaborated remotely with international teams to build AI-driven solutions for business automation and content generation.

### Education

#### Bachelor of Science in Computer Engineering

Arab Academy for Science, Technology and Maritime Transport

2019 – 2024

**Relevant Coursework:** Machine Learning, Data Structures and Algorithms, Operating Systems, Software Engineering, Web Development, Data Analysis (Self-Study), Data Warehousing (Self-Study)

### Projects

#### Graduation Project – ERP System for Business Management:

- Designed and developed a full-stack ERP system using Laravel and MySQL, covering E-commerce, HR management, stock inventory, and delivery modules.
- Integrated AI models to automate product classification and predict inventory demand, enhancing operational efficiency.
- Implemented a DevOps pipeline with Docker to enable scalable, containerized deployments and streamline continuous integration workflows.

- Developed real-time tracking features for inventory levels, employee performance, payroll processing, and delivery status.
- Built and optimized complex SQL queries and APIs to efficiently retrieve, merge, and manage business-critical data across multiple ERP modules.
- Integrated backend APIs in Laravel to ensure seamless data flow between inventory, payroll, HR, and delivery systems, improving system performance and reliability.
- **AI-Powered Insurance Recommendation System:**
  - Designed a machine learning model to personalize insurance policy recommendations, increasing user satisfaction by 25% and reducing search time by 40%.
- **Football Manager (Java OOP):**
  - Developed a football team management simulator with 100+ customizable attributes, performance tracking, and strategy simulation.
- **Sports Classification Neural Network:**
  - Built a neural network with 95% accuracy for classifying over 1,000 sports activities using TensorFlow and Python.
- **Convert Text to Handwritten:**
  - Created a Python-based tool generating realistic handwritten text images, supporting over 50 fonts and efficient multi-page processing.

## Skills

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- **Programming:** Python, Java, C, C#, SQL, JavaScript/TypeScript
- **Web & Cloud:** React.js, Laravel, Node.js, AWS, Docker, Kubernetes, PHP, HTML5, CSS
- **Data & AI:** TensorFlow, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Tableau, Power BI, Data Cleaning, Data Preprocessing, Exploratory Data Analysis (EDA)
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn
- **Databases & Warehousing:** MySQL, MongoDB, Firebase, Data Warehousing Concepts, ETL Processes
- **Tools:** Jenkins, CI/CD, Microsoft Excel (Advanced), SQL Reporting
- **Soft Skills:** Leadership, Cross-functional Collaboration, Agile Problem Solving, Communication, Analytical Thinking
- **Languages:** Arabic (Native), English (Proficient)

## Additional Information

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- Open to relocation within Saudi Arabia.
- Committed to continuous learning and professional development in the field of Data Analytics.