

# Saad Almalki

Data Scientist | Database Administrator | Web and Software Developer



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## Objective

My career goal is to pursue continuous self-development in fields like data science, web and software development ,  
Additionally, I aim to contribute meaningfully to the development and advancement of Saudi society.

## Education

- September 2021- August 2026 Bachelor Degree of Computer Science (Taif University)
- Feb 2024 - Mar 2025 NanoDegree of Programming for data science with python (Udacity)

## Skills

### Databases

Strong SQL experience, having worked on more than four projects and utilized various RDBMS, including (MySQL, PostgreSQL, MS SQL, and Oracle DB.) Additionally, possess intermediate experience in NoSQL databases, particularly (MongoDB).

### Data Analysis

Proficient in Data Analysis, leveraging Python, SQL, and R to extract insights, process, and visualize data. Experienced in utilizing tools like Pandas, NumPy, Power BI, Excel, and Jupyter Notebook for efficient data manipulation and reporting.

### Software Engineering/Development

Solid foundation in Software Engineering, including SDLC, design patterns, Agile projects, and practices. Experienced in OOP, Data structures, and Developing applications using Python, Java, and C++.

### Programming

Proficient in multiple programming languages, including Python, Java, C++, PHP, and R, as well as tools and IDEs such as ( Jupyter Notebook, Git/GitHub, Docker, and VS Code.) Experienced in (OOP, Data Structures, and Software development.)

### Mobile/Web Development

Experienced in Web Development, specializing in Back-End using (PHP, Python, and Java.) Proficient in working with databases like MySQL and PostgreSQL, and integrating web applications with SQL.

### Linux & Open-Source

Proficient in Linux environments, with experience in system administration, Shell scripting, with Bash ,and package management. Actively contributing to open-source projects and utilizing Git/GitHub for version control and collaboration.

## Professional Certificates

- IBM Data Science | IBM
- Meta Database Engineer | Meta
- Applied Software Engineering Fundamentals | IBM
- Google Data Analytics | Google

## Courses

- Python for Data Science, AI & Development | IBM
- PHP & MySQL | Udemy
- Excel Basics for Data Analysis | IBM
- SQL for Data Science | University of California, Davis
- Python Programming Fundamentals | Microsoft
- Databases and SQL for Data Science | IBM
- Tools of the Trade: Linux and SQL | Google
- Introduction to HTML | Coursera
- Fundamentals of Red Hat Enterprise Linux | Red Hat
- Introduction to Entrepreneurship | Dorooob

## Projects

### LibraryDB

A mobile application built on a big relational database, the app's goal is to explore the history of books and authors from the dawn of humanity to the present day.

### Volx App

Social Media App , Built in March 2017 until April 2022 used it primarily in blogging .

### HospitalDB

database using for organize and management medical things in hospital .

### MotorDB

Website about cars and ratings , Front-End built with HTML-CSS-JavaScript . and Back-End built with SQL - Python(Flask) .

### Little\_Lemon\_DB

Database for Little lemon restaurant , It's capstone project for "Meta Database Engineer Professional Certificate"

### Bikeshare US Data

Project for Programming in Data Science with Python Nanodegree in Udacity, used python language to manipulate bikes data in three cities in us.

### SaadOS

Simple Operation System written in C++ language ,This project will become Linux distro later