

Baker Alakhras

bakrfalakhras@gmail.com | bakralakhras.com | github.com/bakralakhras | linkedin.com/bakr-alakhras

Education

Bahcesehir University

May 2025

Bachelor of engineering (High honors) in Software Engineering

Skills

Languages: Python, Java, Dart, Terraform.

Frameworks/Libraries: Pandas, TensorFlow, React, Flask, Bootstrap, Tailwind CSS.

Database: MySQL, PostgreSQL, MongoDB.

Developer Tools: Kubernetes, Docker, Git Actions, Azure, Aws, LookerBI.

Experience

Cloud Consultant Intern, PricewaterhouseCoopers – Amman, Jo

June 2024 – Sept 2024

- Optimized deployment processes, reducing manual effort by 20% by implementing Docker-based containerization for scalable Azure applications, improving consistency across environments.
- Increased development efficiency, improving CI/CD workflows and reducing deployment time by 25% by automating testing and deployment pipelines, leading to faster and more reliable software releases.
- Enhanced cloud infrastructure reliability, minimizing errors and accelerating provisioning time by 20% by developing Infrastructure as Code (IaC) solutions using Terraform to automate cloud resource management.
- Improved system performance monitoring, reducing downtime by 15% and improving response time by 20% by deploying Prometheus and Grafana for real-time observability and proactive issue detection.

DevOps Intern, EarTech IT – Istanbul, TR

June 2023 – Jan 2024

- Engineered Python-based applications and deployed them through CI/CD workflows, leveraging Azure Virtual Machines and Azure Functions to improve deployment efficiency and reduce manual intervention.
- Automated repetitive tasks using Python scripts, accelerating processes by 25% and streamlining the integration of Azure SQL Database and Azure Cognitive Search within CI/CD pipelines.
- Optimized application performance and deployment, reducing downtime by 15% and enhancing UX by integrating Azure Blob Storage, Azure CDN, and Cosmos DB to refine system responsiveness and stability.

Projects

Bitcoin Prediction

[bakralakhras/AI-Bitcoin-Prediction](https://github.com/bakralakhras/AI-Bitcoin-Prediction)

- Developed an LSTM-based model using TensorFlow/Keras to predict Bitcoin prices, enhancing time series forecasting accuracy.
- Implemented data preprocessing techniques, including MinMax scaling and sliding window methods, to optimize model training efficiency.
- Conducted error analysis utilizing Mean Squared Error (MSE) to evaluate and improve model performance.

Sentimental Analysis

[bakralakhras/AI-Sentimental-Analysis](https://github.com/bakralakhras/AI-Sentimental-Analysis)

- Conducted sentiment analysis on Amazon Food Reviews using VADER, achieving accurate classification of customer sentiments.
- Utilized the pre-trained RoBERTa model from Hugging Face to enhance sentiment analysis accuracy through deep learning techniques.
- Employed the Hugging Face pipeline for efficient model integration and evaluation, streamlining the sentiment analysis process.

Certificates & Awards

[Azure Solutions Architect Expert](#) (AZ-104)

Dec 2024-present

[Azure Fundamentals](#) (AZ-900)

Aug 2024-present