

Mohammed ALI

Python developer

CONTACT

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EDUCATION

Computer Engineering

Hacettepe University, Ankara, Turkey
2016 - 2018

SKILLS

- **Programming:** Python, Java, Dart, JS
- **Data Science:** Pandas, Numpy, Plotly
- **Data Pipelines:** ETL, ELT, Pyspark
- **Frameworks:** FastAPI, Pytorch, Scikit-Learn, Tensorflow
- **Databases:** MySQL, Postgresql, MongoDB
- **Azure:** Synapse, Data Factory

LANGUAGES

- English: IELTS - x.x
- Arabic: Native
- Turkish: B2

TALKS & EVENTS

- Applications of AI in Arabic - 08/02/2023
- Intro to AI in Arabic - 2020
- Intro to Science-fiction
- AI and Society

CERTIFICATIONS

- Google Data Analytics Specialization
- Machine Learning -Stanford University
- Data Engineering Foundations - IBM
- Extract, Transform, and Load Data
- Executive Data Science
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PROFILE

A Python developer with a strong background in Computer Science, Machine learning, SQL, NLP and Data science. Proven skills in ETL/ELT pipelines and managing APIs. Seeking to leverage my technical skills and experience in data science and software engineering role, with an interest in data engineering and machine learning applications.

PROJECTS

Image Classification using CNN [🔗](#)

- Executed an end-to-end project using Keras, from data collection and cleaning to algorithm selection. Leveraged CNNs, achieving a refined accuracy of 75.28% in predicting 10 key living room furniture types U

Glass types Classification KNN [🔗](#)

- Developed KNN and weighted KNN algorithms from scratch using only numpy, successfully classifying diverse glass types.
- Gained hands-on experience in algorithm implementation without reliance on external libraries.
- Conducted feature normalization and implemented cross-validation for dataset optimization.

Smart recipe system (using Python | Django | MySQL, MLP) [🔗](#)

- It suggests to users a recipe according to their ingredients.
- It was done with three of my classmate as a design project.

AI Comparison: OpenAI's ChatGPT vs Google's Bard [🔗](#)

- This web application leverages Streamlit to create a user-friendly interface where users can enter a question or a prompt and receive responses from two AI models

Sentiment Analysis using LLM and ChatGPT API

- Engineered a tool using OpenAI's LLM to detect emotions: anger, happiness, sadness, satisfaction, and dissatisfaction.
- Using FastAP, Mongoddb, Python and OpenAI's API

WORK EXPERIENCE

Python Engineer, Freelancer

2022 - Now

- Developed, ETL, data science and data analysis projects using Python, NumPy, pandas, and matplotlib.
- Implemented machine learning algorithms with Apache Spark ML for various clients.
- Created Machine learning applications and APIs using FastAPI framework Automated processes and tasks using Python scripting and libraries such as requests and Beautiful Soup.

2020 - 2022

Internship, IQ System Solutions

- Developed skills in software and development, database design, APIs, and backend development.
- Collaborated with a team to develop and deploy web-based applications.