

NOOR AFTAB

MLOPS/ML ENGINEER/ PYTHON AI DEVELOPER

CONTACTS



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DHA Lahore, Lahore, 54810, Pakistan

LANGUAGES



English

Urdu

ABOUT ME



MLOps and Python developer with a passion for driving data-driven strategies. Proven expertise in Devops, data engineering , and development. As a MLOps Engineer at ,Machine Learning 1, I combine technical prowess to deliver actionable insights and optimize business outcomes.

EDUCATION



COMPUTER SCIENCE (BSCS)

COMSATS University | Lahore
2021

FSC-PRE-ENGINEERING

Punjab College | Lahore
2017

SKILLS



Python

Devops

Data Engineering

Machine Learning

TOOLS STACK



PROGRAMMING LANGUAGE

Python, Java, C

Python: numpy, pandas, open-cv, PIL, Pymongo, Flask/FastAPI

DATABASE

MySQL, Postgres, ,MongoDB, Elastic Search

OS

Mac OS, Linux, Bash , Windows

DEVOPS

iptables, ufw, pm2, Gitlab, github, CI/CD, Docker, Kubernetes, Docker Swarm

LINKS



linkedin
<https://www.linkedin.com/in/noor-aftab-b-6a5535219/>

github
<https://github.com/nooraftab779>

HOBBIES



• Video Games • Anime • Cricket • TV Series

AWARDS



EMPLOYEE OF THE MONTH

MAR 2023

WORK EXPERIENCE



NOV 2022

PRESENT

MLOPS

Machine Learning 1 | Lahore

- Design, test, and deploy ETL pipelines for services.
- Maintain and enhance the existing system architecture.
- Implement CI/CD pipelines and Dockerize new services.
- Develop REST-APIs and websockets for services.
- Conduct load testing and stress testing for new services.
- Optimize response times for requests.
- Collaborate with the development team to align with project requirements.
- Engage in client meetings to resolve issues and provide solutions.
- Assess and prioritize feature requests from team leads.
- Plan and implement new Architecture.

JAN 2022

OCT 2022

PYHTON DEVELOPER

Machine Learning 1

- Work on model automation and OCR extraction.
- Implement requirements and data analysis to support the decision-making process.
- Utilize machine learning algorithms to build predictive models.
- Ensure data quality and accuracy of the models being developed.
- Create services for the models and handle problems independently
- Collect, Clean, Remove and Annotate data using VIA annotator.

INTERNSHIP



SEP 2021

DEC 2021

DATA SCIENCE TRAINEE PROGRAM

Programmers Force | Lahore

- Write effective and scalable Python codes
- Collect, organize and interpret data to create actionable insights
- Ensure active programs run smoothly, update programs, fix bugs, and create new programs.
- Collect, Clean, Remove and Annotate data using VIA annotator.
- Study and Research on different Object Detection Models like Mrcnn, Yolo
- Create dummy Endpoints in flask to run Object Detection models.
- Create dummy services and make pipelines to run them.
- Create Django Project and integrate pipeline on it.

PROJECTS



JAN 2022

OCT 2022

OCR

Improve Google OCR Results

Focus was on pre and post processing to improve the accuracy of Google OCR.

Tesseract OCR

This project involves models for preprocessing of images, Fine tuning of tesseract, optimizing the speed of predictions, models for post processing to improve results.

OCR of Invoices

OCR of purchasing bills (receipts)

NOV 2022

KYC

Fraud Detection

This project involves various models to detect multiple forgeries i.e., screen document, expired document, document taken from web and different security features

Face Liveness

This project involves various models to detect face liveness including mask detection, replay attack etc

Aml Finance

This project involves fastest searching and retrieval of most accrate data from million of data resources stored in database.

JAN 2023

MAR 2023

AUTOMATED TRAINING SYSTEM

Created full fledge Automate Training System.
Created Mongo based Architecture, pipeline and integrated multiple training notebook and their dependent services to automate training of hundreds of models while checking the availability of the GPU resources. Followed the Master Slave Architecture, including the steps of pre-processing and post-processing techniques.

A state of the art architecture, to integrate new training notebooks with previous without changes in previous. Very scalable.

COURSES



SEP 2023

SEP 2023

INTRODUCTION TO CONTAINERS W/ DOCKER, KUBERNETES & OPENSIFT

[coursera.org](https://www.coursera.org)

OCT 2023

OCT 2023

CONTINUOUS INTEGRATION AND CONTINUOUS DELIVERY (CI/CD)

[coursera.org](https://www.coursera.org)

OCT 2023

PRESENT

IBM DATA ENGINEERING PROFESSIONAL CERTIFICATE

[coursera.org](https://www.coursera.org)