

# MUHAMMAD SAHIL

## MACHINE LEARNING ENGINEER



Lahore



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Providing data-driven, AI-based solutions to challenging problems. Enthusiast Artificial Intelligence & machine learning engineer with a demonstrated ability to deliver valuable insights via data analytics, advanced data-driven methods machine learning pipelines & deep learning pipelines. Ability to study and transform data science prototypes.

## Technical Skills

- Python
- Machine Learning
- Deep Learning
- Natural Language Processing
- Flask
- Data Preprocessing
- Data Modeling
- Data Visualization
- SQL
- AWS

## Work Experience

### • iCustoms | Associate Machine Learning Engineer | Dec 2022 ~ Current

#### Tools and Technologies:

Python, NLP, Hugging Face, BERT, Deep Learning, ML/DL, Flask

#### Roles & Responsibility:

- Worked on Custom Declaration System(CDS) that involves multi-class classification.
- Applied Neural Networks, Transfer Learning, NER, BERT, and XLNet models.
- Deployed trained model on AWS.
- Designed and Develop Restful API, & performed API Authentication.
- Designed Rest API using AWS API Gateway, AWS Cognito, AWS Lambda

### • iCustoms | Junior Machine Learning Engineer | Oct 2022 ~ Nov 2022

#### Tools and Technologies:

Python, BeautifulSoup, NLP, BERT, TensorFlow, RNN, LSTM, Excel

#### Roles & Responsibility:

- Worked on Custom Declaration System(CDS) that involves multi-class classification.
- Data collection, Web Scrapping, data mining, data preprocessing, data preparation, and data modeling.

### • BLing.AI | Junior Machine Learning Engineer | Dec 2021 ~ Sep 2022

#### Tools and Technologies:

Python, Pandas, Numpy, Matplotlib, OpenCV, FaceNET, Flask

#### Roles & Responsibility:

- Worked on Data modeling, Facial Recognition Systems in Computer Vision.
- Develop a complete Website/Web Application capable of Recognizing multiple faces in the image(100+ faces in the image).
- Backend coding of the Whole Website using Flask Framework.

- **Devicon | Machine Learning Internee | June 2021 ~ Nov 2021**

**Tools and Technologies:**

Python, Pandas, Numpy, Matplotlib, Scikit-Learn, Flask

**Roles & Responsibility:**

- Worked on an AI-based Recommendation system.
- Data collection, data preparation, feature engineering, Data modeling
- Deployed model by using Flask API.

## Projects

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- AI-Based Customs Declaration System(Classification of Products, Multi-class classification)
- Facewise - a Facial Recognition System
- AI-Based Animal Health Monitoring Device(FYP)
- Twitter Sentiment Analysis
- Educational Website Chatbot
- Movies Recommendation System
- Real Estate Price Prediction

## Education

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**Bachelor of Science in Computer Engineering**

Khawaja Fareed University of Engineering & Information Technology

3.30/4.00

(2017-2021)

## Honors & Awards

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- Awarded with PEEF Scholarship on merit-base
- Awarded with Ehsaas Scholarship on merit-base
- Attended Software Exhibition & development skills workshops

## Interest

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- Current Affair
- General Knowledge
- Software Engineering
- Reading
- AI
- IoT
- Computer Science