

USAMA HASSAN

Phone: (+92)-3116840970 | github.com/usamahassan965 | linkedin.com/in/usama-hassan-232830157

usamahassan965@GMAIL.COM

Freelancing as a machine learning engineer with **2 years** of experience on **Fiverr** and **Upwork**.

Education

Sep 2022 - Present

National University of Science and Technology (NUST), Islamabad – *Masters in Artificial Intelligence (SECS)*

3.25 CGPA

Sep 2017 - Oct 2021

Bahauddin Zakariya University (BZU), Multan – *Bachelors in Electrical Engineering (Electrical)* **3.61 CGPA**

Skills

Programming	Python, R, C++, SQL, HTML, CSS, JAVASCRIPT
Visualization	Power BI, Matplotlib, Seaborn, Tableau, Plotly
Frameworks	Pandas, Scikit-Learn, Tensorflow, PyTorch, OpenCV, NLTK
Deployment	Flask, Azure, Heroku

Experience

Sep 2021 - PRESENT

Research Projects– *Machine Learning Engineer*

- Estimation of **Valence-Arousal** for Facial Expression using **Transfer Learning**
- **ARSeg** based Network for semantic segmentation & classification of **CXR** for **TB detection**
- **Game Theoretic** based approach for Sentiment Analysis using **SentiwordNet Lexicon**
- Optimization of **Regression** Models for Time Series Analysis upon **PV cells** data

Sep 2021 - Present

Freelancing (Fiverr and Upwork) – *Machine Learning Engineer*

- Food Ingredients **Recommendation web app** for Recipes using **Yolov8** and **pyfood** deployed on **Microsoft Azure**
- **LangChain** based **AutoGPT** app deployed using **Flask**
- **OpenAI** based **Real time Trading bot** deployed using **Django**
- **Captcha OCR cracker** using **EasyOCR** and **pyTesseract**
- Automated **Word files styling** system using **XML** python