
M.Fasih Tariq

Lahore, Block A UET Housing Society

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<https://github.com/fasih2611>

SKILLS

- Experienced both in **Python** and **C++**. Having worked on projects using data science libraries such as Pandas, scikit learn as well as computer vision libraries such as **OpenCV, COLMAP** and torchvision
- Experienced with C# .NET framework and integration with Azure Cloud with MS-SQL database.
- Experience with Pyspark and worked with apache arrow for parquet files.
- Worked with Web Scraping libraries such as beautifulsoap
- Worked with APIs in Node.js.
- Experience using ML frameworks such as tensorflow and Pytorch.
- Fluent in English
- Great Knowledge of Statistics, Probability and Linear Algebra.
- Familiar with Docker images and utilizing containers and environments.

EXPERIENCE

IVY, London- Intern

September 2022 - October 2022

- Worked on the IVY Machine Learning framework refactoring code and making sure it was up to the Array API standard.
- Worked on basic github issues such as code refactoring and making sure it was inline with the design document.

Hustle N Holla, Pakistan- Junior Data Scientist

March 2023 - July 2023

- Collected data from publicly available sources and wrangled it into a usable form for analysis and machine learning.
- Worked with manufacturing and public data, cleaning and transforming it to train SVMs and other classifiers.

Projects

Neural Network from scratch in Python -

<https://github.com/fasih2611/SGD-and-Batch>

- An Artificial Neural Network made from scratch only using numpy.
- Implements Stochastic gradient descent and Batch SGD

3D Camera Calibration - <https://github.com/fasih2611/DLT3d>

- An implementation of the 3D variant of the DLT Algorithm used to get 3D coordinates in a known grid. For navigation in a 3D space by a robot.

EDUCATION

University of Management and Technology, Lahore - *BS Artificial Intelligence*

GPA: 3.6

AWARDS

UMT Dean's Merit Award 2021, 2022 and 2023

Softec 2024 Finalist