Mohibullah Kamran

ML Engineer | Data Scientist | Former Fighter Pilot

My Email
My Website
My LinkedIn
My GitHub

Experience

Feb, 2023 – May, 2023　　**Machine Learning Intern**, SkyIT, Calgary, CA

- Developed a Deep Learning Model to identify engine start/stop time through Signal Processing Audio Classification and integrated a scalable TFLite model to Android and IOS.

Apr, 2023 – June, 2023　　**Machine Learning Fellow**, Fellowship.AI

- Worked on the Development of a Robotic Arm for a client to optimize customized patient medicine production using PyTorch, PyBullet and CoppeliaSim.

2017-2021　　**Fighter Pilot**, Pakistan Air Force

- 800+ flying hours with Instructional Experience.
- Teaching Fluid Dynamics, Aero-Engines & Meteorology.
- Lead multiple aircraft in flight formation.

Projects

Next Word Prediction Web App

- Built a Web app employing **Good-Turing Frequency Estimation** to predict the most probable next word as Capstone Project in John Hopkins Data Science Specialization. Used **R** for the app and **Shiny App** server to deploy it.

Video Classifier

- Developed a video classifier using CNN-RNN Model using python with keras.

Sound Classifier

- Developing a sound classifier to get bird populations in forests by detecting their sounds through signal processing and computer vision using TensorFlow.

Skills

- **Tools:** Tensorflow, Pandas, Keras, scikit-learn, Sklearn, Numpy, matplot, seaborne, Caret, Microsoft Office
- **Languages:** Python, R
- **Data Base:** PostgreSQL

Education

2021 - 2023　　**MS in Data Science**, University of Colorado Boulder (GPA 3.87/4.00)

2014 - 2019　　**BS in Aviation Science**, Air University Islamabad (GPA 3.49/4.00)

- Group Lead in Final Group Project on 'Surge Air Operations'.
- Ranked in the top 5% of the graduating class.