

## FERIT YIKAR

Gainesville, VA, 20155 | 703-473-3745 | [yikarferit@gmail.com](mailto:yikarferit@gmail.com) | <https://github.com/FeritYikar> |  
<https://medium.com/@yikarferit> | <http://www.yikarferit.com> |  
<https://www.linkedin.com/in/ferityikar/>

### Data Scientist

A Data Scientist with a love for continuous learning, a degree in Business Management and a background in Financial Analytics, reporting and data modeling. Skilled at using Tensorflow to change the way companies and individuals solve problems. Passionate about learning new skills and using deep learning models to create advanced solutions, and build models that provide unique and innovative approaches to existing challenges.

### TECHNICAL SKILLS

Numpy, Pandas, SQL, Matplotlib, Scikit Learn, Pytorch, PySpark, Tensorflow, Excel, Streamlit, HTML, CSS, Javascript

### TECHNICAL PROJECTS

#### Bitcoin Daily - <https://github.com/FeritYikar/btc-daily>

A web app that provides Bitcoin price prediction and provides insights based on #Bitcoin tweets in order to assist investors who are interested in evaluating Bitcoin as an investment.

- Utilized time series, LSTM deep learning model, to predict Bitcoin prices.
- Predicted the sentiment of Bitcoin tweets using a NLP LSTM deep learning model.
- Data is retracted from APIs and is updated every 15 minutes and automatically refreshed on the web application.

#### Sarcasm Detection - [https://github.com/FeritYikar/sarcasm\\_detection\\_NLP](https://github.com/FeritYikar/sarcasm_detection_NLP)

A Deep Learning NLP project that detects whether a news headline is sarcastic or not.

- Trained more than 28,000 news headlines to build a sarcasm detection model.
- Evaluated various deep learning models including LSTM, GRU, CNN, and Transfer Learning model using Universal Sentence Encoder. Determined the Dense model achieved the highest prediction of 84% precision on unseen test data.
- Saved progress to Tensorboard for further analysis.
- Stored best epoch for each model based on validation accuracy in Tensorflow model to later use in a TF lite or TF JS model in the future.

#### Pneumonia Image Detection - [https://github.com/FeritYikar/pneumonia\\_image\\_detection](https://github.com/FeritYikar/pneumonia_image_detection)

An image classification model that detects Pneumonia from an X-ray image, which is very hard to detect with naked eye.

- Analyzed various CNN models trained on more than 4,600 images of X-rays.
- Utilized a Streamlit application to upload X-ray images and get a prediction on whether a person has pneumonia.
- Saved progress to Tensorboard for further analysis.
- Stored best epoch for each model based on validation accuracy in Tensorflow model to later use in a TF lite or TF JS model in the future.

## EMPLOYMENT HISTORY

**Renault Turkey**, Treasury Specialist, Istanbul, Turkey 11/ 2020 - 08/2021

- Utilized Financial Derivatives to increase and drive more profits
- Created an 8 week predictions cash flow file in excel utilized macros to project cash flows.
- Responsible for planning daily financial transactions, and using current exposures and projections to hedge currency risk.

**Borusan Mannesmann (Fortune 100 Turkey company)**, Finance Specialist, Istanbul, Turkey  
04/ 2019 - 10/2020

- Managed daily cash and credit operations
- Responsible for all Interactions with Banks Globally including negotiating credits
- Utilized financial derivatives to avoid currency risks
- Automated financial processes using excel and macros to optimize efficiencies, and reduce human error.
- Sole individual responsible for all company financials including: managing the regulatory and financial reporting of all corporate import and export activities.

**GE Power**, Finance Trainee Program Istanbul, Turkey 06/2018 - 03/2019

- Responsible for all Financial Planning and Analysis for Eastern Europe and the Caspian Region.
- Collaborated with Sales Finance teams across Europe including: identifying goods sold, creating financial reports and presentations, utilizing excel and SQL to analyze data, generate reports, and present findings to the leadership team.
- Managed Quarterly cash analysis, closing accounts, and the Factoring process for parts of Europe.

## EDUCATION

**Flatiron School, New York, NY** 11/ 2021 - 03/2022  
Immersive Data Science Bootcamp program

**Bogazici University**, Istanbul, Turkey 09/2014- 06/ 2018  
Management 3.56 - High Honor