Qalab E Abbas

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EDUCATION

- **Kumoh National Institute of Technology (Kit)** — Gumi, South Korea
  Master of Science in IT Convergence — *Sep. 2018 – Dec. 2020*
- **National University of Sciences and Technology (NUST)** — Islamabad, Pakistan
  Bachelor of Engineering in Electrical (Telecom) Engineering — *Sep. 2012 – July. 2016*

RELEVANT COURSES AND CERTIFICATIONS

- Artificial Neural Network Concept and Applications
- Big Data and Cloud System
- Real-Time Intelligence Interactive
- Real-Time System
- Multimedia Information Search
- Python (Kaggle)
- Pandas (Kaggle)
- Intro to Machine Learning (Kaggle)
- Intermediate Machine Learning (Kaggle)
- Intro to Deep Learning (Kaggle)
- Intro to SQL (Kaggle)
- Advance SQL (Kaggle)
- Machine Learning Crash Course (deeplearning.ai)

EXPERIENCE

- **Kumoh National Institute of Technology** — Gumi, South Korea
  Research Assistant — *Jan 2012 - Dec 2013*
  - **Research Assistant - Machine Learning**: Research on machine learning and deep learning algorithm using TensorFlow and Python. Mainly worked with time-series datasets and predictive modeling problems.

PROJECTS

- **Credit Card Fraud Detection Using Imbalanced Classification**: Used a combination of different sampling techniques to reduce and balance the dataset. The main focus was on decreasing the run time of the entire code. Achieved a 50% decrease in run time than the best performing algorithm while keeping the same results.
- **Loan Approval Using Machine Learning**: Classification of customers as good or bad to decide if the should be given a loan. Challenge here was to deal with skewed data because the ML algorithms expects a balanced dataset for proper learning.
- **Tax prediction Using Deep Learning**: Tax Prediction using Multiple Deep Learning techniques like LSTM, GRU and RNN.

SKILLS

- **Industry Knowledge**: Machine Learning, Deep Learning, Classification, Regression, Time-Series, Signal Processing, Predictive Modeling, Anomaly Detection
- **Programming Languages**: Python, SQL, C++, HTML, CSS
- **Python Libraries**: TensorFlow, Keras, Scikit-Learn, Numpy, Pandas, Statsmodels, Prophet
- **Language**: English