Abid Ali Awan

Data Scientist

I am Technology Manager turned Data Scientist, who loves building machine learning models and Ai Products. Recently, I have trained the Automatic Speech Recognition (ASR) model on the Wolof language to help illiterate people interact with apps with just their voice, in a language they can already speak. I am currently testing AI Products at PEC-PITC, which later get approved for human trials, eg: Breast Cancer Classifier. My vision is to build an AI product that will help identify students that are struggling with mental illness.

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WORK EXPERIENCE

Data Scientist
Pakistan Innovation and Testing Center - PEC

04/2021 - Present   *Islamabad, Pakistan*
PEC has taken initiative to promote inventors by standardizing and testing Electro Medical Equipment/ Engineering Products.

Achievements/Tasks

- Data Analysis of Engineer Registered /Unemployed.
- Assisting PITC in Testing AI related products.
- Providing support in improving product for approval.
- Technical Writing.

Data Scientist
Freelancing/Kaggle

11/2020 - Present   *Islamabad, Pakistan*

Achievements/Tasks

- Data Analysis, Feature Engineering, and Data preprocessing.
- Deep learning, Tabular Machine Learning projects.
- Natural language processing projects.

Researcher / Event Organizer
CREDIT

02/2017 - 07/2017   *Kuala Lumpur, Malaysia*
IoT R&D department working for Asia Pacific University

Achievements/Tasks

- Tech Talks organizer
- Event management
- bridging gaps for academics and industries

Contact: Dr. Tan Chye Cheah - dr.chyecheah.t@apu.edu.my

EDUCATION

MSc in Technology Management
Staffordshire University

11/2015 - 04/2017   *Postgraduate with Distinction*

Thesis

- Challenges in Implementing IoT-enabled Smart cities in Malaysia.

Bachelors Electrical Telecommunication Engineering
COMSATS Institute of Information Technology, Islamabad

08/2010 - 01/2014   *CGPA: 3.09*

Courses

- Networking
- Programming/ Matlab
- Satellite communications
- Telecommunication Engineering

SKILLS

Graphic Designing   Leadership   Media/Marketing
R/Python   SQL   Tableau   NLP   Data Analysis
Machine learning   Deep learning   Webapp/Cloud
Feature Engineering   Ensembling   Time Series
Technology Management

ACHIEVEMENTS

8th Deepnote Notebook Competition (05/2021)

Top 10 in WiDS Datathon. (03/2021)

40th / 622 in MagNet: Model the Geomagnetic Field Hosted by NOAA (02/2021)

18th / 1,660 in Rock, Paper, Scissors/Designing AI Agent Competition. (02/2021)

24th / 1,728 Kaggle Tabular Playground Series (01/2021)

PROJECTS

Automatic Speech Recognition in WOLOF (05/2021)
- MP3 to Wav, feature engineering, Tokenization, Wav to array.
- Using Pretrained wav2vec model.
- Removing audio noise, improving tabular data to increase performance.

Trip Advisor Data Analysis/ML (04/2021)
- Preprocessing Data, Exploratory Data analysis, Word clouds.
- Feature Engineering, Text processing.
- BiLSTM Model for predicting rating, evaluation, model performance.

Jane Street Market Prediction (03/2021)
- EDA, Feature Engineering, experimenting with hyperparameters.
- Ensembling: Resnet, NN Embeddings, TF Simple NN model.
- Using simple MLP pytorch model.

NLP Webapp using Expert.ai API and deployment on Heroku. (03/2021)
- Using data visualization and external NLP API for language processing.
- Webapp on streamlit.
- deployment using docker.

Wind-dependent Variables: Predict Wind Speeds of Tropical Storms (02/2021)
- Exploratory Data analysis, Wind speed and images.
- Preprocessing Tabular data for training torch vision resnet152 model.
- Hyperparameter tuning, using different models to improve the evaluation metrics.