Abid Ali Awan

Data Scientist

Data scientist with experience in machine translation, text classification, and other aspects of natural language processing. Providing data driving solutions to increase efficiency, accuracy, and deployability. Experienced at creating data analysis solutions for improving decision making in a robust environment and creating machine learning models for both structure and unstructured data to implement actionable solutions to complex business problems.

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WORK EXPERIENCE

Data Scientist/ Analyst
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.

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.