Abir Jameel

Data Scientist/ Machine Learning Engineer

New Delhi, India

✉ abir47@gmail.com 📞 +917204601775 in linkedin.com/in/abirjameel github.com/abirjameel

Summary

Hi, I am a self-taught data scientist/programmer, I enjoy building machine learning, deep learning and artificial intelligence solutions and products, passionate about building models, training and deploying. I love to research, experiment and develop innovative solutions.

Experience

Freelance Data Scientist (Algorithmic Trading) @ TradeButler
Aug 2019 – Feb 2020

> Working with a start-up based in Denmark, Project involves researching and developing deep learning and AI based crypto trading models.

> Pattern recognition of interesting regions in rolling windows based data format, interesting regions are breakouts of price, take-off of price etc. building various classification models to predict a region (breakout/take-off) of a given window and put a trade accordingly.

Data Scientist (Algorithmic Trading) @ Professional Traders DMCC
Sep 2018 – July 2019 // Dubai, UAE

> Building Deep Learning models for forex market prediction, Buy-Sell decision model using python deep learning algorithms.

> Responsible for research developing Deep Learning models architecture and creating deployable pipeline over FXCM API for real time mid-frequency trading.

> Conceptualized trading algorithm using deep learning algorithms with about **69% accuracy** on forex market data.

> Built **30 different trading pipelines** (different asset classes) in Forex, deployed them to run real time on the FXCM trading platform.

> Built a python text analysis module which gets Economic calendar data from FXCM API and incorporating it in to trading algorithm, in order to stop putting order during a major economic event to avoid slippage of orders due to increased volatility.

Data Scientist @ SAR Group (lockthedeal.com)
Feb 2018 – Aug 2018 // Bengaluru, India

> Building Image Classification algorithm for mobile app using Keras and TensorFlow, the use case was to build an algorithm that can classify pictures taken by a user to ease the search process on lockthedeal.com mobile app.

> I used the visual similarity image retrieval process which after classification of user-images, returns images (products) of similar objects (top 10 matching results) the user is searching for.

Skills

Programming Languages Python, R, C#, SQL

Libraries & Frameworks

Tensor Flow, Keras, Flask- RESTful, Scikit-Learn, NumPy, Pandas, SciPy, OpenCV, statmodels, NLTK, regular-expressions, TA-Lib, Luminol, Matplotlib, Seaborn, Kafka-python, Spark-PySpark, Mongo-DB, MySQL, **FXCM-ForexConnect, Quant Connect,** JSON

Tools & Platforms

Git, Docker, Amazon (AWS) EC2, Google-cloud platform, Databricks cloud platform, Postman for testing REST API's.

Education

Narsee Monjee Institute of management

2016 - 2017 // Bengaluru, India
Certificate Program in Business Analytics.

Thapar University

2013 – 2015 // Patiala, India
Master of Engineering in Structural Engineering, 7.57 GPA

Uttar Pradesh Technical University

2009 – 2013 // Lucknow, India
Bachelor of Technology in Civil Engineering, 69.36 Aggregate Percent

> The classification model was built using transfer learning and Inception pre-trained model, for 100 classes model gives 94% accuracy. Deploying model on REST API which can be accessed by mobile app.

> Responsible for maintaining in-house Linux GPU Server for training Deep Learning models to be used by other team members.

Data Scientist @ Robert Bosch Engineering and Business Solutions
Sep 2017 – Feb 2018 // Bengaluru, India

> Building microservices (REST API in flask-restful) for Bosch connected industries in house IoT product, where data is collected from sensors installed in various manufacturing units and analysed for predictive maintenance.

> I developed 6 modules independently, which are trend detection using as additive model and multiplication model, frequency detection, change point detection- mean based, slope-based change point detection, missing value imputation in IoT time-series data.

> Time Series anomaly detection for a forecasting pipeline in R, the project is hierarchical sales (simultaneously forecasting from province level to country level) forecasting for China business unit of Bosch.

Data Analyst @ Valuence Analytics
Nov 2016 – Aug 2017 // Bengaluru, India

> Developing Customer Segmentation and Customer Behaviour models depending on client requirements. Using Supervised and Unsupervised machine learning algorithms such as clustering.

> Developing interactive R-Shiny apps to understand data story by summarising data. Let stakeholders interact with data and analysis for decision making.

Certificate Courses

Deep Learning in Computer Vision, Coursera

Artificial Intelligence, Columbia University, EdX

Neural Networks and Deep Learning, Coursera, deep learning.ai

Natural Language Processing, Coursera, deeplearning.ai

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning – Coursera, deeplearning.ai

Sequences, Time Series and Prediction – Coursera, deeplearning.ai

Convolutional Neural Networks in TensorFlow – Coursera, deeplearning.ai

Deep Learning with Python, Udemy

Publication Experience

Publishing master's thesis paper in Construction and Building Materials (ELSEVIER)

References

1. **Name: Cinar Goktug**

Position & company: Senior Data Scientist at Bosch Centre for Artificial Intelligence, Sunny vale, California, USA.

Contact: goktug.cinar@us.bosch.com; phone +1 352 328 4603

Personal connection: Goktug was my Team-lead at Bosch.

2. **Name: Abhishek Singh**

Position & company: Senior Data Scientist, Valuence.

Contact: abhishek@neuralsenz.com
Personal connection: Abhishek was a colleague I worked with him at Valuence Analytics.

Decleration

I Abir Jameel hereby declare that all the information provided above is true to the best of my knowledge.

Thank you

Abir Jameel