VICKY PARMAR

MACHINE LEARNING ENGINEER

Motivated machine learning engineer skills in data analysis, time series analysis, image classification, and object detection. Seeking to improve and initiate machine learning models for XYZ firm. As a data scientist at Brunel GmbH, automated processing of data from sensors to a long-term database thereby reducing the retrieval and preprocessing time by approximately 25%.

SKILLS

Machine Learning	***Deep Learning***	***Time Series Analysis***	***Image Classification***
Object Detection	***Data Analysis***	***Data Visualization***	***Version Control***

EXPERIENCE

Data Analyst

Brunel GmbH – 05.2019 to today

Key Responsibilities at: Project at MET/Con GmbH

- Developed an automated system to extract information (data) from sensors, preprocess the data according to customer's requirement and store it in a long-term database.
- Designed rules to monitor quality of the product based on collected data.

Key Achievement:

- Reduced the data retrieval and processing time by 25% leading to more time to design rules for quality monitoring.

Tools used:

- Python, SQL, Intern-software – PQA, C-sharp

Master Thesis Student

3M Deutschland GmbH – 10.2018 to 03.2019

Key Responsibilities:

- *Prediction and Evaluation of Cooling Energy Consumption to Optimize Production Rates in Manufacturing Process.*
- Time series analysis and feature selection.
- Design of prediction models based on sequence-to-sequence models using Recurrent Neural Networks (specifically, LSTMs and GRUs).

Key Achievement:

- Predictions helped the operator to analyze and plan the production process thereby increasing the production rates.

Tools used:

- Python: TensorFlow, Scikit-Learn, Pandas, NumPy, Bokeh, Seaborn, Matplotlib, TSFRESH
- AWS: Sage Maker
- Git: Version Control

Bachelor Thesis Student

Cipriani Harrison Pvt. Ltd. – 01.2016 to 08.2016

Key Responsibilities:

- *Designing and Analysis of a Test-Rig for Multiple Valve Testing.*
- Designing different models for the test-rig and analyzing them to select the optimal model.

Key Achievement:

- Three of the proposed models were implemented thereby saving the cost to by a different test-rig for each type of valve (there were more than 18 types of valves).

PERSONAL DETAILS

***Address*:**

Deutzer Str. 53, 40229,
Düsseldorf, Germany

***Mobile*:** +49 176 5775 4103

Social Handles:

EDUCATION

M.Sc. – Systems Engineering and Engineering Management

South Westphalia University of Applied Sciences, Soest, Germany

2017 to 2019

B.E. – Mechanical Engineering

Gujarat Technological University, Ahmedabad, India

2012 to 2016

ML TOOLS

Python	●●●●●
TensorFlow	●●●●○
Scikit-Learn	●●●○○
Pandas	●●●●○
NumPy	●●●●○
TSFRESH	●●○○○
Stats models	●●●○○

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PROJECTS

- Developed Classifier to predict if an image contains a cat, a dog, or a panda.
- Built a Classifier to predict images containing letters of American Sign Language.
- Sentiment Analysis of IMDb reviews.
- Text generation for Shakespeare's poem.
- Used Transfer Learning to create a classifier to differentiate between humans and horses.
- Hands-on experience with TensorFlow Object Detection API and YOLO.
- Fault Detection and Identification using Neural Networks.

Link to my GitHub Profile is included above in Personal Details section – Social Handles.

ONLINE COURSES

DeepLearning.AI TensorFlow Developer Professional Certificate

- Specialization containing a series of courses covering Introduction to TensorFlow, CNN in TensorFlow, NLP in TensorFlow and Sequence and Time Series prediction.

Deep Learning Specialization

- Containing Neural Networks and Deep Learning, Hyperparameter Tuning, Regularization, Optimization, Structuring ML Projects, CNN, and Sequence Models.

IBM Data Science Professional

Python3 Programming Specialization

REFERENCES

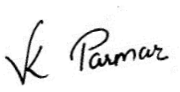
Dipl. -Ing. Ingo Schuster
General Manager (SMS Group GmbH, RDX – MET/Con Technology Consulting)
Email: ingo.schuster@sms-group.com Phone: +49 (0) 211881 4496

Dr. Katja Hansen
Technical Manager – Artificial Intelligence (3M Germany GmbH)
Email: k.hansen3@mmm.com Phone: +49 (0) 211881 4496

Prof. Dr. Ing. Andreas Schwung
Professor, Electrotechnics (South Westphalia University of Applied Sciences)
Email: schwung.andreas@fh-swf.de Phone: +49 (0) 211881 4496

HOBBIES

- Cooking
- Trekking
- Travelling
- Binge-watching
- Listening to music



Düsseldorf, 23.09.20

LANGUAGES

German - Fluent

English - Native

Gujarati - Native

Hindi - Native

SKILLS

C-sharp ●●○○○
MySQL ●●○○○
MATLAB ●●○○○
Simulink ●●●○○
MS Office ●●●●●
MS Project ●●●○○

SOFT SKILLS

Good Communication

Good Presentation

Team Player

Team Leader