VIJAY KRISHNA

DATA SCIENCE/ DATA ENGINEER/DATA ANALYST

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EDUCATION

MS Informatik — 2019-2022
Technical University of Clausthal, Clausthal - Zellerfeld, Germany

BSc Computer Technology — 2015-2018
Dr.N.G.P Arts and Science College – Coimbatore, India

WORK EXPERIENCE

Data Engineer — Sep,2022–Jun,2023
Startup Insider, Berlin

Data Scientist — Jan, 2021 – Jan, 2022
Symson, Rotterdam

SKILLS

Software	Python, MSSQL, PostgreSQL, R, HTML, Neo4j
Frameworks	TensorFlow, Scikit-learn, Keras, Pandas, MatPlot Lib, PyTorch,Numpy, Chatterbot, psycopg,OpenCV, NLTK
Product management	Scrum, Monday.com, Jira
Data Visualization Tools	Tableau, Power BI
Machine Learning Models	Regression model, K Means Clustering, Random Forest
Mathematics	Statistical Analysis, Optimization
Others	ETL, Data Pipeline, Data cleaning, Mongo DB, ApacheSpark, Data modelling, Git, AWS S3 Athena , Vscode, Jupyter Notebook, MS Office, Miro

PROJECTS

Data Engineer ETL(Sep 2022 – Jun 2023)

Expertise: Python and MongoDB, AWS

As a Data Engineer I managed it to do ETL and data pipeline. On a dailybasis scrape data into dataframe and pushing to google spreadsheet and data is transformed and cleaned. Then the cleaned data is pushed to AWS S3 and Mongodb for the further use. The entire process is automized.

Chatbot Development–Thesis(Feb 2022–July 2022)

Python, RASA, NLP, MongoDB
Expertise: NLP and Machine Learning

An AI Chatbot that stimulates interactive human conversations by using key, pre-calculated user phrases and auditory and text-based signals. A conversational text based chatbot developed to help students clarify doubts

Customer Clustering based on buyers behaviour (Jan 2021 – Jan 2022)

Python, MS SQL, Clustering Algorithm
Expertise: MS SQL and Machine Learning Models

Incorporated grouping of customers based on their buying behaviour. Tracking customer behaviour and frequency in purchase of a product, leading to provision of customer incentives such as discounts and offers in order to improve sales.

Lego Bricks–Uni Project (Sep 2021 – Oct 2021)

Python, Deep Learning, PyTorch, ResNet, Open CV
Expertise: ResNet Pretrained Model and Fast AI

Demonstrated ideas for automated disassembly of e-waste, for better e-waste recycling. Focus area included – guided dismantling of pre-built Lego bricks by identifying an individual brick. The pre-trained weights on ResNet50 layers were fine-tuned with custom real-world Lego bricks datasets. The neural network model was deployed in a state-of-the-art AI accelerator– Huawei Atlas 200 developer kit hardware.

Weather Prediction (Aug2020)

Python, *R, Machine* Learning *Algorithms, Predictive Analysis*
Expertise: Logistic Regression, *K-Nearest Neighbors, and Deep Learning Networks*

With time series data, Consisted of practical application of Machine Learning and Data Analysis skills acquired through theoretical orientation. Study included results obtained by combinations of different Machine Learning Models for analysing a filtered subset of the data set "WeatherAUS" from the R package "rattle".