

Rahul R Data scientist

Astute Data Scientist familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic and other analytical techniques. Communicates clearly with stakeholders and builds consensus around well-founded models. Highly organized, motivated and diligent person, eager to bring expertise to growing organization in a challenging role. "It's never too late or too soon"

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KEY COMPENTCIES

Pvthon



Scikit-learn

Tensorflow

Django

CNN

APIs

Pytorch

Pandas

MLOps



TECHNICAL SKILLS

Machine Learning Regression Techniques (Linear Regression, multivariate regression), Classification Techniques (Logistic Regression, Naive Bayes Classifier, Decision Trees, SVM, Nearest Neighbor), Clustering (K-Means)

Ensemble Methods Bagging, Boosting

Natural Language Processing TFIDF, Stemming, Lemmatization, Bag-of-words, Word2vec

Deep Learning CNNs, RNNs, GANs

Programming Languages Python, R

DL Frameworks TensorFlow

Cloud Platform AWS, Azure

Web Frameworks and APIs Django, Flask, REST APIs

Software Tools Anaconda, Jupyter Notebook, Spyder, Git, GitHub, Docker

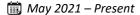
Operating Systems Windows, Linux (Ubuntu, Debian)



WORK EXPERIENCE

Data scientist

Volvo Trucks India



Bangalore, India

Responsibilities/Tasks

- Responsible for creating and deploying end-to-end Machine Learning & Deep Learning applications for various business problems.
- Worked on sophisticated versioning and provisioning tools to create CI/CD pipelines including GitHub, Git, Docker, Kubernetes, Jenkins, Ansible, and other cloud services for seamless integration and delivery.
- Collaborated with internal stakeholders on providing IoT solutions through the telematics gateway for the fleet management system and uptime services.



PROJECTS

(FES) Fuel Efficiency services, Volvo Trucks

May 2021 – Dec 2022

- 🛠 PyTorch, pandas, numpy, sql, python, Docker, Linux
- Objective: To scale up the fuel efficiency of off-road mining trucks significantly by predicting the parameters that influence FE drastically and to create a detailed analytics dashboard from the vehicle data.

- Used Machine Learning models KNN, xgboost, RandomForest to get the highly correlating parameters that contribute Fuel efficiency.
- My tasks also encompass EDA, data cleaning, clustering model building, and deploying.
- Deployed using containerization technology.

Fleet assistance services, Volvo Trucks

- iii Nov 2021 Dec 2022
- Y PyTorch, pandas, numpy, sql, python,
- Objective: To automate the process of counting the trips and recommending excavators at the mining region and to continuously track the geolocation of trucks using a monitoring device for trip summary.
- Through this, we ensure to gather the data from the truck and send the data packets to the cloud.
- Distance-based algorithms have been incorporated to recommend the best scoring vehicle.
- Created a pipeline for deploying the source code into the server.

Parts object detection, Volvo Trucks

- iii In Progress
- * Tensorflow, pandas, Keras, python, jenkins, Kubernetes
- Objective: Worked on fleet analytics for an object detection deep learning model creating a dashboard for segregating the parts and activities.
- Working on a project where we have to create a classification engine of parts images to bring down the failures and plan maintenance schedule.
- Building a CI/CD pipeline using Jenkins server for automating the deployment process.



Custom Models, Layers, and Loss Functions with TensorFlow (10/2021 - 10/2021)

object detection, image segmentation, Functional API and non-sequential models

Cloud computing using AWS (04/2021 - 04/2021)

EC2 instance, VPC in AWS cloud

Post graduate program in Analytics and Artificial intelligence (03/2021 - 03/2022) Analyzing and Visualizing Data with Microsoft Power BI (11/2020 - 11/2020



Post Graduate Program in Analytics and Artificial Intelligence

Imarticus Learning

05/2020 - 03/2021, Chennai, India

Master's in Mechatronics

Sri Venkateswara College of Engineering

07/2018 - 04/2020, Chennai, **India**

Bachelor's in Mechanical

Rajalakshmi Institute of Technology

08/2014 - 03/2018, Chennai, India