



RAHUL RAMESH

Data scientist at Volvo | AI trainer | LinkedIn influencer | Youtuber

“Rewiring the neurons with my neural networks for 3+ years”

CONTACT

+91-9445420016

rrahul@volvo.in

[Rahul R](#)

Bengaluru, Karnataka

[Rahulramesh97](#)

PRO SKILLS

Python

Machine Learning

Numpy, Pandas, Matplotlib

Computer Vision

Natural Language Processing

SciPy, Scikit-learn,

TensorFlow, Keras, PyTorch

Aws, Azure

SQL, NOSQL

LANGUAGE

English

Hindi

Tamil

Kannada

Experience

- Data scientist** **MAY'2021 – AT PRESENT**
Volvo Trucks
Bengaluru, Karnataka
Responsible for building and deploying end-to-end Machine learning & Deep learning solutions in the Aftermarket segment like predictive modelling, enhancing vehicle efficacy and improving custom experience.
- AI Trainer** **JUL'2022 – AT PRESENT**
Rajalakshmi Edu-verse
Bengaluru, Karnataka
A highly experienced technical trainer with an experience of delivering effective training programs and facilitating knowledge to students.
- Junior Data scientist** **MAR'2020 – APR'2021**
Team computers
Chennai, Tamil Nadu
Handled tasks like data cleaning, pre-processing, model building, data visualization, designing and presenting results to the stakeholders.

EDUCATION

2020 – 2021
Chennai, Tamil Nadu

PG program in Artificial Intelligence
Imarticus Learning

2018 – 2020
Chennai, Tamil Nadu

Master's degree in Mechatronics
Sri Venkateswara College of Engineering

2014 – 2018
Chennai, Tamil Nadu


Bachelor's degree in Mechanical
Rajalakshmi institute of technology


PROJECTS | Volvo Trucks | Bengaluru


- Computer vision & IOT based Fleet Management Solution**
Image processing engine to detect the activity of the fleet and monitor.
✓ **86%** accuracy **60%** of productive time saved
🔧 **TensorFlow** Object Detection, OpenCV, Spark, Docker, Linux
- Computer vision-based Driver Fatigue Alert System**
Achieved 93% accuracy for predicting driver fatigue alert system trained on 100000 annotated images used to detect changes in the driver behaviour.
✓ **93%** accuracy **75%** of productive time saved
🔧 **Keras, TensorFlow**, Python, RCNN, open CV, CUDA, Azure.


Predicting the failure of the component and creating a maintenance schedule of various components using historical failures

Predicting the failure of components involving collecting data on various factors that can affect the performance and longevity of the components, such as temperature, vibration, usage, and environmental conditions and to create a maintenance schedule with the help of ML pipelines.

 **93%** accuracy


 **40%** of expenses saved


 **75%** of downtime is saved


 **TensorFlow** SQL, Python, Docker, Azure, Scikit-learn, Pytorch, Timeseries analysis,


Fuel efficiency system for off road mining trucks

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 based on the vehicle's telematics data.

 **89.4%** accuracy


 Significant increase in fuel efficiency


 **32%** of expenses saved


 **TensorFlow** python, AzureML, keras, GitHub, flask, Kubernetes, SQL, linux, CI/CD

NLP based customer satisfaction feedback analytics

To analyze customer feedback, providing businesses with valuable insights into customer opinions, preferences, and behaviors. Various techniques like sentiment analysis, entity recognition, topic modelling were used for the better understanding of customer needs and preferences.

 **86.8%** accuracy

 **60%** of expenses saved


 **50%** of processing time were reduced


 **TensorFlow**, Word2vec, Docker, Azure, Gitlab, NLTK, Spacy, Linux


Junior Data Scientist | Team computers | Chennai

Worked on Data analytics, ETL process, creating machine learning pipelines for the clients. Designed an ETL batch process to extract several Terabytes of Data records from multiple databases and perform transformational techniques to load the records. Familiar with Agile/Scrum development Methodology Framework.

- **Predictive modelling:** Heart attack rate Classification (Logistic Regression) on National Health and Nutrition Examination Survey data
- **Clothes Classification Based Sleeves:** Applied transfer learning using a pre-trained Resnet50. Used the weights of ImageNet. Fine-Tuned the ResNet50 on my cloths dataset.
- **Positive News Extractor:** Sentiment Analysis on News Data (Web Scraping from various News sites) and Providing Positive news to the Readers.
- **Machine Learning Web Application:** Designed and developed a simple dynamic Machine learning web app for predicting and categorising the house images using Microsoft coco transfer learning model for real estate domain.

 Improved Data processing pipelines

 Reduced time for data analysis

 **Mysql, scikit-Learn**, tensorflow, keras, spacy, scipy, SAP, Jira, Hadoop, PowerBi,

AI Trainer | Rajalakshmi Edu-verse | Chennai

I've handled various students from different disciplines and have designed and delivered training classes according to the specific needs of clients. Also trained professionals in the technology industry on company-specific proprietary software. Able to convey complex technical concepts to a non-technical audience engagingly and understandably.

- Helped students to intuitively understand the data science concepts and assisted them carefully to ace the job interviews.
- Guided students to reach their highest potential through mindset coaching and personal development.