

Contact

- ♠ 72 Harrington Road, Chetpet, Chennai – 600031, India.
- +91 7418563377
- □ prashanth1991@hotmail.com
- Github page
- prashanth-arasu@github.io

General Skills

- Web scraping
- · Data mining and cleaning
- Data visualisation
- Multivariate analysis
- Feature engineering
- Hyperparameter tuning
- Regression, Classification and Clustering models
- Dimensionality reduction

Soft skills

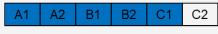
- Curiosity
- Adaptability
- Team spirit
- Pragmatic
- Communication skills

Languages

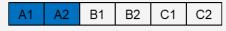
English



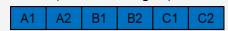
French



German



Tamil (Mother Tongue)



Interests

- Strategy games
- Travelling
- Hiking
- Board games

Prashanth THIRUNAVUKKARASU Data Scientist | Data Analyst

Summary

Recent graduate in Data Science with 5+ years of experience as a research engineer. Proficient in data mining, data visualisation, machine learning algorithms, model deployment and cloud computing.

Technical Skills

- Programming Languages: Python, Matlab, C / C++
- Database Management Systems : MS SQL Server, BigQuery
- Data Visualisation: Power BI, Tableau, Microsoft Excel, Python libraries
- Version Control Tools: Github
- Supervised Learning: Linear models, Logistic models, Naïve Bayes,
 Support Vector Machines (SVM), Decision Trees
- Unsupervised Learning: K-means, KNN, PCA
- Time Series Forecasting: SARIMA, VARMA, Holt Winter's
- Deep Learning: Tensorflow, Keras, CNN, LSTM
- Natural Language Processing: NLTK, TextBlob, Gensim, spaCy
- Computer Vision: OpenCV, PIL, SIFT, ORB, VGG16, ResNet50
- Model deployment: FastAPI, Streamlit, Heroku
- Big Data: AWS (EC2, IAM, S3), Pyspark, Hadoop

Work Experience

2021-22: Data Scientist, Centrale Supélec, Paris, France

- Identification of countries with high investment potential in education
- · Proposal of healthy food products from your local grocery
- Prediction of the electricity consumption of buildings
- · Clustering clients of an e-commerce website
- Classification of products using textual and image data
- Web deployment of a 'Credit-Score' model for bank loans
- Feature extraction with cloud computing using AWS

2021: Design Engineer, McNeil Repiquet, Aulnay-sous-bois, France

Mechanical design of rubber manufacturing machines

2017-21: Research Engineer, Michelin, Clermont-Ferrand, France

- Experimental analysis of the flow of polymers with the help of prototypes
- Numerical modelling of the flow of rubber products in industrial mixers.

Educational Qualifications

2021-22 Masters in Data Science
 Centrale Supélec / OpenClassRooms, Paris, France
 2017-21 PhD in Computational Mechanics and Materials
 CEMEF, MINES ParisTech, Sophia-Antipolis, France
 2013-16 Masters in Mechanical Engineering
 École Polytech Tours, Tours, France

References

Yannick Serge OBAM, AI / ML Engineer, IsoMora Dev Ltd. yannicksergeobam@gmail.com

Pascal TREMBLAY, Research Engineer, Michelin. pascal.tremblay@michelin.com