



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

Contact

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🌐 [Github page](#)

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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

A1	A2	B1	B2	C1	C2
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French

A1	A2	B1	B2	C1	C2
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German

A1	A2	B1	B2	C1	C2
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Tamil (Mother Tongue)

A1	A2	B1	B2	C1	C2
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Interests

- Strategy games
- Travelling
- Hiking
- Board games