

Shankar ARUL

12 rue de Normandie, Montreuil 93100
07.62.54.97.99
shankar@jupyterdata.com



EDUCATION

2008 - 2010	ESSEC Business School, MBA <i>Specialization: Finance. Scholarship: Bourse d'excellence Eiffel.</i>	Paris, FR.
2006 - 2008	Virginia Tech, Master of Science Industrial and Systems Engineering, <i>Specialization: Applied Mathematics and Operations Research</i>	Blacksburg, USA.
2002 - 2006	Anna University, Bachelor of Engineering, <i>Specialization: Mechatronics Best outgoing Student</i>	Chennai, IN.

PUBLICATIONS

Dec 2021	Tableau for Business Users: A Hands-on perspective, Enable business users to be autonomous and efficient in their Interpretation, Analysis and Visualization of Data. (Apress Publications).
2007	A design on experiment-based procedure for real-time forecasting, International Journal of Industrial and Systems Engineering (IJISE Vol.2 No.1)
2007	Development of efficient combinatorial auction mechanism for airport slot allocation, International Journal of Services and Operations Management (IJSOM Vol.3 No.4)

PROFESSIONAL EXPERIENCE

2020 – Today. **E-Commerce: Head of Analytics Engineering (Consulting), FR.**



Kering

- Strategic support and guidance in the construction of Kering's Data Warehouse from the ground up as part of the internalization of e-commerce activities.
- Setup Data Analytics and visualization tools to evangelize and democratize access to Data across all business departments and stakeholders.
- Developed Key performance Indicators to help the stakeholders strategically steer their e-commerce activities (Online and offline)
- **Technical Environment:** AWS (EMR, Athena, Aurora, S3, QuickSight), Google Bigquery, Python, Pandas, Hive, Parquet, Tableau, DBT

2017 - 2020 **Chief Data Scientist & Co-Founder, Paris, FR.**

- Engineered and built the technical platform from the ground-up and scaled the startup.
- New York Times featured JetPack Data as a GroundBreaker under the category AI.



JetPack Data

- Jetpackdata.com instantly transforms your data into Analysis and Dashboards. Just drag and drop your data source and let JetPack's machine learning algorithms do the rest and help you in your analysis.
- Major Clients : Natixis, IPSEN, Groupon, Schneider Electric, AG2R La Mondiale, etc...
- **Technical Environment:** Python (Flask, Numpy, Scipy, TensorFlow, Pandas), Javascript (Angular 9, AngularJS, D3)

2012– 2016

Head of Data Science EMEA (24 pays), Paris, FR.

- Development of Predictive mathematical Models to optimize sales & finance performance.
- Development of algorithms to understand & predict user behavior (↗ conversion rate).
- Development & automation of a software to import & analyse competitors data.



Groupon

- **Technical Environment:** SQL, Teradata, Spark, Hadoop, VBA, Access, Python (Pandas, Beautifulsoup, Numpy, Dask), Javascript (Angular, Selenium, D3), Tableau, PowerBI, Microstrategy

2011– 2012

Business Intelligence Analyst, Paris, FR.

- Statistical Analysis & modeling to optimize the performance across Apple Stores.
- Development of Mathematical models to improve the performance of the Ipad 2 Supply Chain.
- **Technical Environment:** MySQL, PostgreSQL, Python, Excel VBA



Apple

2010- 2011

Fixed Income Analyst, Paris, FR.

- Financial risk analysis on a portfolio of securitized assets and SPVs.
- Financial model development to automate the management of clients' securities portfolio.
- **Technical Environment:** SQL, Excel VBA, Access



BNP

2008

Operations Research Analyst, Chicago, US.



TTX

- Development of Mathematical Models to match supply and demand across the railroad network in North America
- Winner of the Go-Rail Contest: Lobbied for the Railroads in the US House of Representatives.
- **Technical Environment:** IBM IloG CPLEX, SQL, Linear Optimization

LANGUAGES

English: Mother tongue

French: Bilingual

Programming: Python (Flask, Scikit, Numpy, Pandas, Tensorflow, Spark), JavaScript (D3, Angular 8+), SQL, Excel VBA.

Dataviz: Tableau, PowerBI (DAX), Google DataStudio, AWS Quicksight

Cloud Environment: AWS, GCP et Microsoft Azure.