



**SRINIVASAN
DHAKSHANAMOORTHY**

Data Engineer | Data Analyst
ML / AI Enthusiast

CONTACT

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TECHNICAL SKILLS

- Languages**
Python · SQL · PySpark · C#
- ML / AI**
Scikit-learn · NLP · Transformers · Random Forest · K-Means
- Data & ETL**
Pandas · NumPy · Kafka · Spark · Hadoop · HDFS · ETL Pipelines
- Visualisation**
Power BI · Tableau · Matplotlib · Seaborn · DAX
- Cloud & Tools**
Azure · Docker · Git · REST APIs · Jupyter · VS Code
- Databases**
SQL Server · MySQL · PostgreSQL · SSIS · SSRS

LANGUAGES

- English**
C1 – Professional
- French**
A2 – Basic
- Tamil**
Native

EDUCATION

- M.Sc. Data Engineering & AI**
ESILV, Paris · 2025–2026
- MBA – International Business**
Pondicherry University · 2017–2019
- B.Tech – Computer Science**
Dr. MGR University · 2006–2010

Srinivasan Dhakshanamoorthy

Data Engineer | Data Analyst | AI / ML Enthusiast
Seeking Internship · Data Engineering · Data Science · ML Engineering · France & Europe

PROFILE

M.Sc. Data Engineering & AI student at ESILV Paris (graduating 2026) with 8+ years of enterprise software engineering experience at Bank of America and Cognizant. Proficient in Python, SQL, PySpark, Scikit-learn, and Big Data technologies (Spark, Kafka, Hadoop). Hands-on experience in machine learning modelling, analytics dashboards, and production-grade data pipelines. Available immediately for a 6-month internship in Data Science, Data Engineering, or ML Engineering across France and Europe.

KEY PROJECTS

Big Data Air Quality Analytics Platform

- Python · PySpark · Kafka · Hadoop · Power BI · OpenAQ API*
- Engineered a real-time Big Data pipeline ingesting live AQI data for 10+ French cities via Kafka and REST APIs, processing 5M+ records daily.
 - Built interactive Power BI star-schema KPI dashboards with geo-filtering, trend analysis, and policy-action recommendations.

ML Recommendation Engine & User Segmentation

- Scikit-learn · K-Means · Collaborative Filtering · Python · Pandas*
- Performed EDA on a 500K+ row dataset; segmented users into 4 behavioural profiles via K-Means clustering.
 - Built a matrix-factorisation recommender improving prediction accuracy by ~18%; evaluated via RMSE, MAE, and Precision@K.

Predictive Modelling & Dimensionality Reduction

- Random Forest · Logistic Regression · PCA · RFE · AUC-ROC · Scikit-learn*
- Trained classifiers with 5-fold stratified cross-validation and AUC-ROC model selection.
 - Applied PCA and RFE to reduce feature space by 30%, improving model interpretability and generalisation.

Sales & Operations Analytics Dashboard

- SQL · Power BI · Excel · Power Query · DAX · Star-Schema Data Modelling*
- Built a multi-view Power BI dashboard for 5 departments (Sales, Finance, Supply Chain, Marketing, Executive) on 1M+ MySQL and Excel records.
 - Optimised via DAX Studio — 30% storage savings, 5% query performance gain, and a projected 10% revenue increase.

PROFESSIONAL EXPERIENCE

Senior Technical Lead — Data & Analytics Engineering

Feb 2022 – Sep 2025

Bank of America | Chennai, India

- Designed KPI frameworks and live Splunk dashboards for a banking platform serving 100K+ users; eliminated 30–40% of manual reporting effort and cut incident response time by 50%.
- Architected high-volume ETL data pipelines and REST APIs; automated CI/CD via Azure DevOps, reducing deployment cycle time by 40%.
- Refactored 40+ legacy SQL queries (CTEs, window functions, composite indexing), cutting over 10 manual processing hours per week.

Senior Associate / Data & Software Engineer

May 2014 – Feb 2022

Cognizant Technology Solutions | Chennai, India

- Owned end-to-end ETL architecture (SSIS, SQL Server) processing millions of records daily across banking and logistics domains.
- Automated SSRS reporting pipelines — reduced reporting latency by 2 business days and BI runtime by 35%.

Software Engineer — Reporting & Data Integration

Jul 2017 – Jul 2019

LTI Mindtree | Bangalore, India

- Delivered ETL automation and multi-source SSRS analytical reporting; integrated third-party APIs and optimised SQL Server schemas for large-scale data ingestion.

Available Immediately
Internship · France & Europe