



THAYANANTHAN Anithyan

DATA ENGINEER

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WORK EXPERIENCE

THALES -Velizy Villacoublay -Data Engineer (Nov 2022 - Present)

- Creating and optimizing databases and data pipelines to ensure efficient data processing and storage
- Building ETL pipelines to extract data from various sources, transform it to fit operational needs, and load it into data warehouses
- Designing and implementing data models that align with business requirements, ensuring data integrity and efficient data retrieval
- Tools : GCP, Bigquery, Cloud Storage, Cloud run, Cloud functions, Apache Airflow, Spark, Python, SQL, Terraform

THALES -Gennevilliers -Data Scientist (Feb 2022 - Jul 2022)

- Implementing Machine Learning and Deep Learning models to model complex phenomena and address identified business needs (Computer Vision, NLP, etc.).
- Optimize a speech recognition system by exploring alternative methods of Deep learning models(e.g., RNN, LSTM, GRU, etc.) and their real-time implementation for voice command and transcription applications (limited vocabulary).
- Production of reports on advanced deep learning algorithm

EDUCATION

SORBONNE UNIVERSITY - PARIS, FRANCE (2020-2022)

Master ISI Specialized in Data Science

- Courses : Machine Learning, Deep Learning, Spark, Programming (Python,C++), Database Management (SQL), Statistics & Probabilities

ASIA PACIFIC UNIVERSITY - KL, MALAYSIA (FEB 2020 - JUNE 2020) - SEMESTER 2

EFREI PARIS - VILLEJUIF, FRANCE (SEPT 2019- JAN 2020) - SEMESTER 1

Computer Science L3

- Courses : Graph Theory, Database, Computer Architecture, Algorithmics, Mathematics for Computer Science, Operating systems, Networks and Protocols, Object-oriented Analysis & Design with UML, Web programming, Financial Analysis

LYCÉE PAUL ELUARD - PARIS, FRANCE (2016-2019)

Preparatory Class for Grandes Ecoles (specialized in Mathematics, Physics and Engineering Science)

PROJECTS

- Implementation of convolutional architecture(CNN, Faster-RCNN) to achieve accurate and efficient results in terms of object recognition in images.
- Speech recognition system based on a CTC sequence-to-sequence neural network, including a decoding phase.
- Weekly sales prediction for time series analysis.
- Deep learning modeling of the body movement of a 3D animated virtual agent.

SKILL/LANGUAGE/CERTIFICATIONS

- **LANGUAGES:** ENGLISH FLUENT, FRENCH NATIVE LANGUAGE, TAMIL NATIVE LANGUAGE
- **PROGRAMMING LANGUAGES:** PYTHON, SQL
- **DATABASE MANAGEMENT:** POSTGRESQL, BIGQUERY, CLOUD STORAGE
- **TOOLS:** GCP, SPARK, APACHE AIRFLOW, TERRAFORM, DOCKER, GIT, TENSORFLOW
- **CERTIFICATIONS:** GOOGLE CLOUD PROFESSIONAL DATA ENGINEER CERTIFICATION UDEMY / ASTRONOMER CERTIFICATION FOR APACHE AIRFLOW FUNDAMENTALS

PERSONAL INTERESTS

- **TRAVELS:** CANADA, ENGLAND, MALASIYA, SINGAPOUR, SRI LANKA
- **SPORTS:** BASKET-BALL SENIOR LEVEL
- **MOVIES/SERIES/MANGAS**

