



VATOSOA Mananjara Jimmy

DATA - MACHINE LEARNING ENGINEER · INTERN

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"Just as electricity transformed everything 100 years ago, today I actually have a hard time thinking of an industry that I don't think AI will transform in the next several years." -Andrew Ng.

Summary

Graduated from Cairo university with a Major in AI, currently following an international Masters in Cloud and Network at University of Rennes and EIT Digital Master School until August 2024. I was lucky to work on a project combining those two majors (ML and Cloud/Network) during my last summer internship. I am eager to find an internship (**Feb 2024 -**) that will allow me to apply my skills and learn from your experienced team for my MSc graduation.

Education

University of Rennes & EIT Digital Master School (Taught in English)

M.SC IN CLOUD AND NETWORK INFRASTRUCTURE, MINOR: INNOVATION AND ENTREPRENEURSHIP (INTERNATIONAL)

Rennes, FRANCE

Sept. 2022 - Aug. 2024

- Main topic: Smartcity Services, Bigdata, Distributed Systems, Data Science related Courses., Advanced Cloud Infra.

Faculty of Computers and AI - Cairo University (Taught in English)

Cairo, EGYPT

B.Sc. IN ARTIFICIAL INTELLIGENCE, MINOR: INFORMATION SYSTEMS

Sept. 2016 - Aug. 2020

- Main topic: ML, Computer Vision, Algorithms, Data Storage and Retrieval, Database Design, Data Warehouse, ERP.
- Got an Egyptian Government Scholarship which is given to promising international students.

Ecole Supérieur de Polytechnique Diego (Taught in French)

Diego, MADAGASCAR

DIPLOME DE TECHNICIEN SUPÉRIEUR

2014 - 2016

- Got a scholarship from the Malagasy Government for an outstanding result from Highschool.

Experience and Projects

IMT Atlantique.

Rennes, FRANCE

INTERN / TEAM : ADOPNET - TOPIC : ENERGY EFFICIENT MOBILE NETWORK IN FRANCE.

May. 2023 - Sep. 2023

- Developed strategies to save energy for different scenarios, based few key factors and improved the EARTH Model.
- Acquired and Prepared (ETL) data from ANFR and used Queue Learning for future traffic load adaptation.
- Applied the approach to real traffic Load data in Rennes, FRANCE and were able to save up to 20% of energy.

School project (Masters)

Rennes, FRANCE

-MASTER 2 : NOISE PROCESSING WITH RASPBERRY PI TO PREDICT QUEUES, CLOUD-BASED SPEECH TO TRANSCRIPT USING NLP .

2022 - 2024

-MASTER 1: MINI TEXT EDITOR , 5G ANTENNA SCHEDULER SIMULATION , SMART TODO LIST WITH A RECOMMENDATION SYSTEM.

Videotron Inc. Quebec

Cairo, EGYPT

IT BACK-OFFICE SUPPORT AND TRAINER

2020 - 2022

- L2 Tech. Support: Anti-virus, Backup recovery for Cloud-based files. Escalate system bugs to Engineering team.
- Trained new agent on new techno.

Mobile App: Gaz consumption predictor for cars.

Cairo, EGYPT

BSC GRADUATION PROJECT

Jan. 2020 - Aug. 2020

- Implemented overall Android application logic and RESTful API server for user's car management and used OpenStreetMap API.
- Implemented an ANN Model to predict the fuel usage of a car based on different features.
- Won the 2nd prize in final evaluation.(A+)

Extracurricular Activity and Interest

ELTE UNIVERSITY | INFORMATIKAI KAR | Title : Democratize the use of technology

Budapest, HUNGARY

SUMMER CLASS WITH ERASMUS+ (SCHOLARSHIP)

Jun. 2023 : 2 Weeks

- The ability to showcase my engineering background through an innovative project (V2V Grids) and the ability to work in teams and pitch our project at the end of the session. (Grade: Excellent)
- Core Value: Leadership, teamwork, pitching, innovation, technology watch, Project Management.

SKILLS AND INTERESTS

A READER, A BIKER AND AI ENTHUSIAST

- Certificate: ML Pipeline with ML, Dataviz using Plotly, EC2-S3-VPC using AWS, Azure DevOps Board, IELTS(7.5), Business English
- Programming Language: Python, Java, Flutter, SQL(PostgreSQL).
- Miscellaneous: ML/DL, 5G, Docker, Git, Kubernetes, Data Mining, Hadoop, Shell(Bash), \LaTeX , Software Engineering.
- Soft Skills: Leadership, Teamwork, Problem-solving, Documentation, Engaging Presentation, Article writing.
- President of the Malagasy Student in Rennes (2023 -2024) : Conduct meetings, Administration and budgeting, Activities and workshops
- Language: English(C1), French(C1), Malagasy(Native).