

ACHRAF AIT SIDI HAMMOU

SKILLS

Data Science

- Python, OOP, R
- Pytorch, Scikit learn, pandas, seaborn, networkx, Jupyter notebooks (and colab)

Web Development

- Backend: NodeJS, GraphQL, Flask, Firebase, MongoDB, MySQL, PostgreSQL
- Frontend: React, NextJS, GatsbyJS,
- React Native, D3.js, Tailwind, Bootstrap Others: Figma, web scraping, AWS EC2,
- Scaleway

Miscellaneous

- English fluent (C1)
- Git / Github
- GIT / C
- Matlab
- Project management

CONTACT

Address

Allée des Techniques Avancées, 91120 Palaiseau

Phone

+33 6 67 14 38 55

Email

aitsidihammou.achraf@gmail.com

Linkedin

in/achraf-aitsidihammou

Github

qithub.com/achrafash

EDUCATION

ENSTA Paris - Applied Mathematics | 2019 - 2022 | 4.0 GPA

- \cdot One of the Top 10 French Engineering School, renowned for its research and academic excellence.
- · Curriculum: Algebra, Topology, Calculus, Operations Research, Optimization, Monte Carlo Simulation, Statistics and Statistical Learning.

Preparation class to enter top Engineering Schools | 2016 - 2019

· Advanced fundamentals in Maths (algebra, calculus, topology) and Physics.

Medical School | 2015 - 2016

EXPERIENCES

- Research Internship | May-August 2021 | DaScim Polytechnique Exploring linearly growing receptive fields in Graph Neural Networks.
- · Research Internship | June-August 2020 | ENSTA Paris

Evaluating image captioning models in the artistic domain (SemART, BibleSVA): concepts: semi-supervised learning, embeddings, vgg19, encoder-decoder and siamese model

• Fullstack web freelance | June 2020 - March 2021

I developed web-based applications for a luxury brand, a university and a startup. From design, to backend and frontend. (React, Node, SQL)

PROJECTS

NLP Project for the French Navy | November - May 2021

I explored Machine Learning approaches to predict the destination of sailors from raw inputs (ex: "FRBES" for the input "Brest France").

Tasks: machine learning models (train/test/evaluation), data analysis, data cleaning Demo: https://anais-ensta.netlify.app

Shape from Shading in C++ | February 2021

Estimating 3D shapes by observing shades in 2D images (LBFGS algorithm).

Genetic Algorithm in Python | April 2020

Implementation in Python of a Genetic Algorithm with different techniques.

Von Karman Simulation | Summer 2020

Modeling and simulation of Von Karman vortex in fluids with Matlab.

Personal projects - web applications | 2020 - Today

- · COVID application with data visualization and API of the French data.
- · A fintech mobile application, a time-tracking tool, a content curation app, a cohort-based courses platform, and more.

COMMITMENTS

Early-member/co-founder of ENSTARTUP | 2019 - 2020

The very first association promoting Entrepreneurship at ENSTA through:

- · interviews with alumni founders
- · pitch competitions
- · newsletters (fintech, research)
- · workshops and hackathons

Secretary-General - TAEP Junior-Enterprise | 2020

- · Secretary tasks, in charge of data privacy and GDPR compliance
- · HR recruiting consultants and administrators
- · Elaborating the strategy and tracking the activity with tools and metrics