



Abiy Dema

Mantes-la-Jolie, 78200, FRANCE
07 45 75 75 23 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Email](#)

EDUCATION

CENTRALE NANTES: Nantes, FRANCE

Expected Graduation: December 2022

10/2018-10/2022

BSc (Hons) in Engineering, Industrial Engineering.

A highly selective French school of Engineering.

Includes diversified courses in: Algorithm & Computer Programming, Advanced Mathematics & Physics, Industrial Engineering Design, Entrepreneurship, Engineering Project, Project Management, Sustainability in Engineering & FEM.



PROFESSIONAL EXPERIENCE

FIFTEEN ✨

March 2022 – September 2022

Growth Engineer Intern

6 months

Vanves, FRANCE

- Automated the process of retrieving LinkedIn profiles using Selenium & BeautifulSoup libraries of Python.
- Conducted data analysis concerning the existing mobility competitors worldwide & researched about their allocated number of bikes per city, types of technologies they use, operator names and other specifics.

Data Engineer Intern

6 months

Vanves, FRANCE

- Built a Twitter-Slack bot, that can filter targeted Twitter accounts' online tweets and sends alert messages to a Slack channel if their tweets were published in the last five minutes containing specific keywords of our preferences.
- Collaborated with the data team to predict the optimum number of bikes to have around train stations of France.

ARBAMINCH TEXTILE 🇪🇹

July 2021 – September 2021

Quality Control Intern

3 months

Arbaminch, Ethiopia

- Monitored the quality standard of yarns
- Inspected local texture irregularity of fabrics & suggested their corresponding error mitigation method.

CENTRALE NANTES 🇫🇷

October 2020 – April 2021

Image Processing & Computer Vision

Projects

7 months

Nantes, FRANCE

- Analyzed JPEG compression and decompression using SciPy, Skimage & other libraries of Python
- Led a group of 3 to conduct tests aimed at building facial detection system using OpenCV library of C++.

LICENSES & CERTIFICATIONS



- Learning Data Analysis
- Python for Data Visualization
- Web Scraping with Python
- Pandas Essential Training
- Learning Git & Github



- Python Libraries for Data Science
- Python for Data Visualization
- Web Scraping with BeautifulSoup



- Data Science Orientation
- AI with Python

PERSONAL PROJECTS

INTRODUCTION TO MACHINE LEARNING

October 2022 – November 2022

Supervised Learning using Iris Data Set

- Predicted flowers based on their Sepal length, Sepal width, Petal length & Petal width.

PORTFOLIO WEBSITE

October 2022

- Built a website using HTML, CSS & JavaScript and deployed it onto Cloudflare Pages.

HONOURS & AWARDS

CENTRALE NANTES ELITE SCHOLARSHIP

10/2018-10/2022

- Received a full scholarship to attend the top French school of Engineering.

SKILLS & INTERESTS

SOFT SKILLS: Problem Solving, Curiosity, Critical Thinking, Team Work, Work Ethic & Communication.

HARD SKILLS: Python, C++, MATLAB, Excel VBA, PostgreSQL, HTML, CSS, JavaScript, FreeCAD, SolidWorks & Blender.

INTERESTS & HOBBIES: Data Science, Online Learning, Football, Reading Novels & Cooking.

LANGUAGES: 🇬🇧 English - ●●●●●, 🇪🇹 Amharic - ●●●●●, 🇫🇷 French - ●●○○○

