



# Abiy Dema

Mantes-la-Jolie, 78200, FRANCE

[07 45 75 75 23](tel:0745757523) | [LinkedIn](#) (QR code) | [Portfolio](#) | [GitHub](#) | [Email](#)

## EDUCATION

**Centrale Nantes:** Nantes, FRANCE

**Expected Graduation:** December 2022

BSc (Hons) in Engineering, Bac + 4

10/2018-10/2022

- 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 & Finite Element Method.



## 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.
- Led research based analysis to spot on cities which could be their next potentials to start a bike sharing scheme in France.

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 - ●●○○○

