



# Abiy Dema

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## 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**

- Predict 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 - ●●○○○

