

# **Abiy Dema**

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#### **EDUCATION**

#### **CENTRALE NANTES: Nantes, FRANCE**

BSc (Hons) in Engineering, Industrial Engineering.

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 & FEM.

### PROFESSIONAL EXPERIENCE

FIFTEEN \*

March 2022 - September 2022

**Expected Graduation**: December 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

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

Arbaminch, Ethiopia

- 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++.

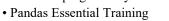
## **LICENSES & CERTIFICATIONS**



- Learning Data Analysis
- Python for Data VisualizationWeb Scraping with Python



Python for Data Visualization



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• Data Science Orientation

• Learning Git & Github

• Web Scraping with BeautifulSoup

• Python Libraries for Data Science

## 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 - ••••

