



Abiy Dema

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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 & OOP application 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++.
- Researched on Lena image manipulation using concepts of Object-oriented programming(OOP) such as abstraction, encapsulation, inheritance & polymorphism.

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 & LANGUAGES

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 - ●●○○○

