

# Eddy Bolan Fonkou Tchinmouo

Data Scientist | Electrical Engineer

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<https://www.linkedin.com/in/eddybolan9data/>

<https://github.com/EddyBolan/EddyBolan>

<https://www.hyperiondev.com/portfolio/EB24120016374/>

## Summary

Dynamic Data Professional with a strong foundation in Electrical Engineering and expertise in Python, R, and SQL. Proficient in predictive modeling, data analysis, and visualization using Tableau and Matplotlib. Experienced in applying machine learning for real-world solutions, including healthcare and finance. Skilled in statistical analysis, problem-solving, and teamwork. Passionate about optimizing operational efficiency through data-driven insights. Successfully completed multiple capstone projects, demonstrating hands-on expertise in data science and a commitment to continuous learning and innovation.

## Technical skills

- Programming in Python, R, MATLAB SQL (Structured Query Language)
- Data transformation, manipulation, and visualization (Matplotlib, Tableau)
- Object oriented programming (OOP)
- Machine learning for image processing
- Natural language processing (NLP)
- Software Tools: Git, Github, Excel, NumPy
- Statistical Analysis: Mean, variance, standard deviation

## Soft skills

- Critical Thinking
- Communication
- Problem-Solving
- Attention to Detail
- Teamwork

## Work Experience

### Data Scientist

Dec 2024 – present

*Data Science Bootcamp / HyperionDev*

- Developed proficiency in Python, SQL, and R, focusing on data types, control structures, and object-oriented programming (OOP).
- Conducted data cleaning, normalization, and feature engineering to improve machine learning model performance.
- Achieved an overall grade average of 99% for bootcamp tasks.
- Designed predictive models for disease outbreaks and stock price forecasting using historical data.
- Created data visualizations with Matplotlib and Tableau for exploratory data analysis (EDA).
- Demonstrated version control expertise using Git and GitHub in multiple capstone projects.
- Successfully completed the practical, real-world projects.

## Projects

### Predicting Disease Outbreaks | Python, Matplotlib

- Developed a model to predict disease outbreaks using historical data.
- Provided data-driven insights to improve public health response and preventive measures.

### Stock Price Prediction Model | Python, Matplotlib

- Built predictive models to forecast stock price movements using historical data.
- Aimed to support investment strategies and risk assessment in financial markets.

### Smart Electrical System Monitoring | MATLAB, Python (*Ongoing project*)

- Design a real-time monitoring system to track energy consumption and detect inefficiencies.
- Integrate sensor data to improve energy optimization and system maintenance.

## Accomplishments

- Successfully completed the capstone projects using Python, SQL, and NumPy.
- Acquired strong statistical analysis skills.
- Worked in teams to deliver capstone projects, showcasing effective collaboration and task delegation.
- Stayed updated with the latest data science trends and integrated new techniques into projects.
- Participated in peer reviews, provided constructive feedback, and engaged in open-source data science projects.
- Developed a portfolio showcasing projects, demonstrating industry-relevant skills and hands-on experience.
- Participated in the challenges using the links as [hackerrank.com/challenges/](https://www.hackerrank.com/challenges/), and [hackinscience.org/exercises/](https://www.hackinscience.org/exercises/)

## Education and self-study

### HyperionDev

Dec 2024 - Mar 2025

Data Science Bootcamp

### Coursera

Oct 2024 - Apr 2025

Data Analysis

### University Institute of Technology | Cameroon

Nov 2011

Bachelor's degree, Electrical Engineering

### Government Technical High School | Cameroon

Jul 2008

Technical Secondary School Diploma, Electrical Engineering

## Languages

**English** (Limited working proficiency)

**French** (Full professional proficiency)