

Bedda Hana

LinkedIn: <https://www.linkedin.com/in/hana-bedda-9345a7234/>

Portfolio: <https://hanabedda.github.io/Portfolio/>

Personal Profile:

An ambitious and self-motivated person looking to collaborate on working on international projects, especially in data science.

A current research volunteer in each opportunity, specifically in data science, and a statistical engineer. Deep passion and commitment to research, which was further amplified after obtaining the highest mark in the “deep learning” model and receiving the best graduation master’s research project. Experience in statistics, data analysis, and data science research, as well as work on real projects.

Education:

University of Batna 2: Master’s in Statistics and Data Science

2021-2023

- **Grade:** First Class Hons

First class in year 2 with an 18.39/20 average

First class in year 1 with an 17.47/20 average

- **Relevant Modules:**

Chronological Methods and Forecasts, Data Programming and Static Processing, Machine Learning and Big Data, Duration Models and Survival Analysis, Statistic Optimization and Business Intelligence, Statistical Learning and Data Science, Deep Learning.

University of Batna 2: Bachelor’s in Statistics and Data Analysis

2018-2021

- **Grade:** First Class Hons

First class in year 3 with an 17.63/20 average

First class in year 2 with an 17.66/20 average

In the first year, a 14.69/20 average

- **Relevant Modules:**

Analysis, Algebra, Machine Structure, Algorithmic and Data Structure, Inferential Statistic, Data Base, Data Analysis, Probabilities, Introduction to Chronological Series, Simulation, Data Mining, Advanced Language.

Research Experience:

The Invistico Airline Problem, Personal research project

June – July 2023

- The project focuses on solving a problem for Invistico Airline, where the primary object is to understand why 45% of customers are dissatisfied with their flying experience.
- Programming by using Python in all steps of the project. Started from understanding the data, defining the target, and analyzing data into modeling.
- Ability to visualize data in different ways, such as with profile reports, with SweetViz, and with matplotlib and seaborn libraries.
- Investing in programming skills by using new models, for instance, using a decision tree model and an artificial neural network to help taking decisions and finding solutions to the problem.

Apple leaf diseases detection using deep learning, University of Batna2 February- May 2023

- This project focuses on leveraging the power of deep learning techniques to detect and classify diseases affecting apple tree leaves.
- The overall aim of this study is to accurately identify the different diseases in apple leaves using image processing and deep learning. To achieve this, the study involves image processing, feature extraction, and machine learning techniques.
- The flexibility to solve research problems and write a detailed report about all steps.

Additional Experience:

Housing Affordability Analysis in a Greater Parisian Region, Omdena July-August 2024

- Working with an international team with different backgrounds and levels in data science.
- The goal of the project is to create a user-friendly dashboard that leverages real-time, publicly accessible data to analyze and improve housing affordability in the greater Parisian region.

Statistical Engineer October 2023- Present

- Work on projects with social

Data Science Intern, TechnoHacks August- September 2023

- I completed three Python projects; these projects allowed me to apply and strengthen my data science skills.
- This experience was invaluable for honing my practical data science knowledge and problem-solving abilities.

Relevant Research Skills:

- Programming knowledge in languages such as Python and R. Undertaking "machine learning and big data, deep learning" models through a master's program.
- The creativity to build dashboards according to the nature of the issue to communicate findings effectively to stakeholders
- Tenacity and diligence for developing research projects
- Ability to analyze research literature to an outstanding standard.

Membership of Professional Societies:

- Omdena (Online)
- United Nations Volunteer (Online)
- Mobile Web Ghana (Online)
- Google Developer Student Club (University of Batna 2)

Certifications

- IELTS Academic – Band 5.0 (May 2025)

Conference Presentations and Posters:

- [The First International Conference on Innovative and Intelligent Information Technologies, University of Batna 2, Algeria and University of Tunis El Manar, Tunisia. December 2024](#)
- [The First National Conference on Applied Mathematics, Statistics and Applications, University of Batna 2, November 2024.](#)