






# Isaac NDEMA

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 English (Professional) | Français (Native)

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## Top Skills/Tools

- **Hard skills :**
    - **Project Management :** Microsoft Project, Bitrix24, Trello.
    - **Databases:** MySQL, Oracle, MariaDB, Postgres.
    - **Big Data Analysis/BI :** Python, Excel, Power BI, Tableau, Hadoop, Spark, Kafka
    - **Programming :** Java, Java Spring, Flask, Angular, React
  - **Soft skills :** Critical thinking, organizational skills, teamwork, work under pressure
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## Education

- **M.Sc. in Computer Engineering at** [Polytechnic of Yaounde](#) Sept. 2017 – Sept. 2022

Grade : 3.53/4

**Relevant courses:** Data Analysis, Machine Learning, Data Structures and Algorithms, Software Engineering, Web Programming, OOP, Numerical Analysis, Multi-agent System.

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## Experiences

- **BI/Big Data Analyst at** [ITNS](#), Tunis, Tunisia, Sept. 2022 – Nov. 2022

Building a hybrid (Weighted) banking services recommendation system.

- Designed an algorithm to evaluate the similarity between two services.
- Designed an algorithm to evaluate the similarity between two customers.
- Building a recommendation algorithm using both previous similarity metrics and internal recommendation rules.
- Using a database consisting of almost 500 services records and 01 million customers services subscriptions records.

- **Technologies/tools used :** Java Spring Boot – Hadoop – Spark – Kafka – SQL – Git

- **Data Analyst | Credit Risk at** [ITNS](#), Tunis, Tunisia, Feb. 2022 – Sept. 2022

Designed and implemented a credit risk scoring model for companies backed by machine learning and based on financial ratio, activity sector, legal status, prior credits performance and qualitative analysis of their governance.

- Used a database of company and credit history consisting of nearly 05 million records.
- Our model scored up to 0.94 using F1 Score on a test set consisting of 560k samples.
- Integrated our model in a 04 tiers Web application for credit granting and monitoring.
- All in an Agile Scrum environment.

- **Technologies/tools used :** React – Python – Flask – Java Spring Boot – MongoDB – Kafka – Git
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## Courses et Certifications

- **Google Project Management** [Professional Certificate](#), Google – Nov. 2022
  - **Google IT Automation** [Professional Certificate](#), Google – March 2022
  - **IBM Data Science** [Professional Certificate](#), IBM – Oct. 2021
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## References

- [Wilson Toussile](#), Data Manager, OCEAC, [wilson.toussile@gmail.com](mailto:wilson.toussile@gmail.com).