

# Tatiana Gebrayel

I have worked as a math teacher for many years, where I developed strong skills in problem-solving and analytical thinking. Recently, I completed my Master's degree in Data Science, during which I worked on various projects in areas like machine learning, data analysis, web mining, and web scraping. These projects have helped me build my technical skills. With my background in teaching and my new skills in data science, I am ready to contribute to data-driven projects and help make important decisions using data.

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📍 Chawieh-Beit Chabeb-El Maten

## Education

Masters-Data science (AI ) USJ, Mansourieh- Lebanon	2022 – 2024
Masters-Actuarial sciences Lebanese University, Fanar- Lebanon	2009 – 2011
Bachelor-Math Lebanese University, Fanar - Lebanon	2005 – 2008
Lebanese Baccaureate Part II, General Science Beit Chabeb High School - Lebanon	2004 – 2005

## Professional Experience

LLM Chatbot Developer for UNTE (USJ)      May – present  
Université Saint-Joseph de Beyrouth

### Tasks :

- Designing and developing a chatbot for the UNTE (Université Saint-Joseph de Beyrouth) using large language models (LLM) and Hugging Face to enhance user interaction and support.
- Implementing natural language processing (NLP) techniques to improve chatbot responses.
- Collaborating with academic and technical teams to integrate the chatbot with existing systems.

Math Teacher      2011 – Present  
Collège Mariste Champville – Dik El Mehdi  
Grades 6 –7– 8 –10 ( Lebanese & French programs)

Internship in Data Sciences      June – July 2023  
The SwanPro –IT consulting firm- Kaslik

## Personal Details

Date of Birth  
October 20<sup>th</sup>, 1987

Nationality  
Lebanese

## Skills

- **Programming Languages:**  
Python, SQL, C++, R, Matlab, VBA, Maple
- **AI/ML & NLP Tools:**  
Hugging Face, Transformers, LangChain, TensorFlow, PyTorch
- **Large Language Models (LLMs):**  
Implementation and fine-tuning
- **Natural Language Processing (NLP):**  
Text generation, information retrieval, chatbot development
- **Data Analysis & Visualization:**  
Power BI, Pandas
- **Databases:** MongoDB, SQL
- **Cloud Services:** AWS (Amazon Bedrock, Lambda)

## Languages

Arabic – French – English.

Tasks :

- Conducted data analysis on insurance datasets, including processing and cleaning large datasets to ensure data quality.
- Calculated key insurance ratios such as loss ratio to assess business performance and risk.
- Created interactive dashboards in Power BI for data visualization and reporting.

Digital Marketing 2021 – 2022  
Papchill company – Beirut

Tasks :

- Web design and development
- SEO and SEM
- Social Networking

Teaching Dermatology – Anatomy – Diet – Chemistry 2010 – 2013  
Sothys Paris – Elyssar

Statistical project with FAO 2010 – 2011  
Project :National Observatory for rural development

Private Tutoring 2008 – Present  
Teaching students all grades- schools – universities - countries.

Internship May 2011 – Aug 2011  
Bankers company

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**Hobbies**

Tennis – running.

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**Other Experiences**

Red cross Volunteer 2010 – 2012

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**Professional Certificate**

Data science 2021 – 2022  
IBM