Gabriel Marc

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Objective

Detail-oriented data science enthusiast and a retail risk modeling officer who is passionate about leveraging machine learning and deep learning techniques to uncover actionable insights from complex datasets, driving predictive analytics and strategic decision-making to optimize business performance.

Experience

Retail Risk Modeling Officer| Egyptian Gulf Bank(EGBank)   **Nov 2024 - Present**
- Develop and maintain models to assess retail credit risk and support lending decisions
- Analyze large datasets to enhance risk strategies and improve decision-making
- Collaborate with cross-functional teams to implement and refine risk policies
- Leverage tools such as Python and SQL to extract insights and build reporting pipelines
- Automated manual reporting processes using Python and SQL, reducing report generation time by over 60%

Network internship, Logistica   **Jul 2021 – Aug 2021**
- Shadowed senior IT professionals during network infrastructure setup and troubleshooting exercises
- Gained hands-on experience configuring routers, switches, and subnets as part of CCNA training.
- Practiced implementation of networking protocols (e.g., OSPF, EIGRP, VLANs), achieving 90%+ success rate in simulated lab environments

Education

Bachelor of Computer Science – Scientific Computing
Ain Shams University
- **Focus:** Specialized in computational methods and numerical analysis with a focus on applying machine learning to solve complex scientific and data-driven problems.
- Achieved second place in Machine Learning competition in my junior year
- Participated in multiple student activities including OSC and POTENTIA and even lead the events core in POTENTIA

Key Projects

A Squires Tale (Revolutionizing Gaming through Sound Cloning)
Graduation Capstone Project – Ain Shams University, 2023
- Participated in developing a proof of concept that utilizes sound cloning techniques to increase immersion.
- Implemented fast cloning techniques in unity.
- (Documentation)

Supermarket Data Analysis
- Second Place, Machine Learning Contest – Scientific Computing Department
- Implemented clustering and regression models using Python to analyze and predict dataset patterns
- Applied techniques such as K-Means and Linear Regression with performance tuning and evaluation
- Earned a department-level certificate recognizing technical excellence and model accuracy (Certificate)

MovieMatch (*Work in Progress)*
- Cleaning and merging TMDB movie metadata and cast/crew credits into a unified dataset to support ongoing recommendation experiments.
- Implementing IMDB-style weighted ratings and demographic filtering (vote counts, popularity) to refine and rank candidate movies.
- Developing a content-based recommendation pipeline that fuses genres, cast, crew, keywords, and plot features with cosine-similarity scoring.
- Building an interactive input interface and visualizations; next steps include integrating collaborative filtering (MovieLens), creating a hybrid model, evaluating with precision@K and RMSE, and deploying via Streamlit.

Certifications & Technical training

- Excel for Data Analytics - Full Course for Beginners *(Work in Progress)*
- Prompt Engineering Tutorial – Master ChatGPT and LLM Responses *(Youtube)*
- Introduction to Statistics in Python *(DataCamp)*
- Exploratory Data Analysis in Python *(DataCamp)*
- PowerBI tips and tricks *(DataCamp)*
- Introduction to SQL *(DataCamp)*
- Introduction to Seaborn *(DataCamp)*
- Data manipulation using pandas *(DataCamp)*
- Intermediate Python *(DataCamp)*
- Intermediate SQL *(DataCamp)*

Skills & abilities

- Deep Learning and Neural networks
- Computer vision, Machine learning
- Database Management Basic skills and SQL
- Data Visualization, Power BI
- Python, Excel. Java, C++, C#, JavaScript, Scala
- Fluent in English and Arabic

Extracurricular Activities

Events Core Head – POTENTIA Student Activity   **2023 – 2024**
- Led the team behind POTENTIA's Data Engineering Summer Training, making complex topics more accessible to students
- Designed and organized "Monopoly," a technical and detective-themed contest that challenged problem-solving and logical reasoning skills
- Recognized as Best Head for the academic year 2024 for leadership and impactful contributions

Creative Director – 3D Music Video Project   **2020 – 2021**
- Directed a 3D animated music video, managing both visual design and storytelling aspects (Link)

Stand-Up Comedy Performer   **Present**
- Actively pursuing a hobby in stand-up comedy, enhancing public speaking, improvisation, and audience engagement skills