

NORMAN MAHFOUT

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SUMMARY

I am an enthusiastic and driven computer science student with valuable internship experience at both Exquitech and Inmind.ai. I am passionate about leveraging my diverse skills in data engineering, business intelligence, and machine learning to tackle new challenges and drive innovation.

STRENGTHS AND EXPERTISE

C++	Data Processing & Analysis	Business Intelligence
Java	Machine Learning	Palantir Foundry
Python	Database Management	Jupyter Notebook
SQL	Report Building	Microsoft Dynamics 365
HTML, CSS, JS	Problem-Solving	Business Central

PROFESSIONAL EXPERIENCE

inmind.ai

Data Engineering Intern/Academy

July 2024 - August 2024

Mkalles, Lebanon

Accomplishments:

- **Palantir Pipeline Builder:** Cleaned and deployed datasets using the Pipeline Builder for streamlined data processing.
- **Data Lineage:** Monitored data flow and added schedules for automated processes.
- **Code Repo and Code Workbook:** Performed extensive data cleaning and transformations using Python (Spark and Pandas) and SQL across Palantir's Code Repo and Code Workbook.
- **Ontology Manager:** Created object models and configured actions for business logic automation.
- **Business Dashboards:** Developed interactive dashboards in Palantir Workshop and Slate for actionable business insights.
- **Machine Learning Models:** Designed and implemented machine learning models in Jupyter Notebook, utilizing Python for predictive analysis and recommendations.

Exquitech

Technical Consultant Intern

July 2023 - August 2023

Jal El Dib, Lebanon

Accomplishments:

- **AL Language Programming:** Developed and customized business solutions in Microsoft Dynamics 365 Business Central.
- **Database Management:** Managed data storage, retrieval, and manipulation to maintain system integrity and efficiency, ensuring optimal data handling.
- **Report Building:** Created insightful and visually appealing reports to convey critical business insights.
- **Presentation Skills:** Effectively communicated technical concepts, project progress, and strategic recommendations, fostering collaboration and alignment across teams.

EDUCATION

Holy Spirit University of Kaslik - Lebanon

Bachelor of Science

- BS. in Computer Science (September 2022 - Present)
 - Current GPA: 94.3 / 100
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PROJECTS

Bookstore Database

February 2024 - May 2024

The project involved designing and implementing a relational database for a bookstore. The database was developed using MySQL and documented in a comprehensive ten-page report. The report included a detailed requirement analysis of the bookstore's operations, an ER diagram for the conceptual design, and a relational schema for the logical design. It also covered the SQL queries needed to create the database tables, populate them with sample data, and execute at least ten select queries that addressed key business needs. The project culminated in a live demonstration of the database and queries on MySQL Server.

OOP Bookstore MIS

September 2023 - December 2023

The project involved developing a Management Information System (MIS) for a bookstore. The system was a menu-driven console application that allowed the user to manage various business entities, such as employees, clients, and orders. The project was structured into four parts: first, analyzing and modeling the bookstore's entities and their relationships through a UML class diagram; second, implementing these classes and relationships in Java; third, creating an interactive console-based system for managing these entities; and finally, ensuring data persistence by saving and loading user data in CSV files.

Web Application

September 2023 - December 2023

For this web development project, I registered a website on a free hosting service with PHP and MySQL support. I conducted research on internet infrastructure, the history of the web, and internet statistics in the Middle East and Lebanon, and published this research on a dedicated webpage. I created and published various pages, including a research page, a CV page, a course schedule page, an Arabic content page, and a main page with navigation links. I designed the site with a consistent CSS layout, including a header, navigation bar, collapsible side menus, and responsive design using Media Queries and Flexbox. Additional features included a media page with multimedia elements, a contact form with JavaScript validation, and two quiz pages with client-side and server-side processing. Finally, I implemented optional MySQL database integration to persist data.

HOBBIES AND INTERESTS

- Trained Basketball Player
- Interested in Photography
- Traveling