# Mohammad Hussein Al-Sharif

+961 70630973                    mohammadhusseinalsharif@gmail.com                    Beirut, Lebanon

## EDUCATION

**Lebanese University , Beirut Lebanon**                                   **2021-2024**

B.S. in Computer Science

## Experience

**Data Analyst Intern at Dahla Company**                                   **October-December 2023**

- Create comprehensive reports using Google sheets
- Analyze data from various sources to provide insights and recommendations to clients
- Collaborate with cross-functional teams to gather data and insights

**Private tutoring**                                   **2023-2024**

Instruction of diverse groups of university students in computer science topics

Courses Taught:

- Data Base (SQL, PHP)
- Data Structures and Algorithms
- Language Theory
- Object Oriented Programming (Java / C#)
- Computer Networks
- ASP.NET
- Parallel programming

## RELATED COURSES

**Data Structures and Algorithms**

- Acquired proficiency in the implementation and analysis of various data structures such as trees, graphs, and hash tables, essential for efficient data organization in software development.
- Developed the ability to design algorithms to solve complex problems, along with an understanding of their performance and complexity trade-offs.

**Database**

- Mastered SQL for effective database management and gained in-depth knowledge of database systems, including design, normalization, and data modeling.
- Learned aspects of data storage, retrieval, and transaction management, providing a holistic understanding of database administration.

**Node.js**

- Completed a comprehensive 40+ hour course on Udemy with Dr. Maximilian Schwarzmueller, gaining in-depth knowledge of Node.js, including asynchronous programming, event-driven architecture, and the development of scalable network applications.
- Acquired hands-on experience with building RESTful APIs, and managing databases in Node.js environments.
- Enhanced problem-solving skills through extensive practical exercises and projects, solidifying understanding of backend development.

**Object-Oriented Programming (Java)**

- Developed a deep understanding of Java programming and object-oriented design principles.
- Mastered concepts such as inheritance, encapsulation, and polymorphism, and applying these to build modular, efficient, and reusable software components.

**Software Engineering**

- Learned the fundamentals of the software development lifecycle, including different methodologies, project management, requirement analysis, and software design.
- Learned software testing and maintenance, providing a comprehensive view of software engineering practices.

**PHP**

- Gained experience in developing dynamic web applications using PHP, focusing on server-side scripting and integrating databases.
- Learned key concepts in web application security, enhancing the ability to create secure and efficient web solutions.

**Web Development**

- Achieved proficiency in front-end web development using HTML, CSS, and JavaScript, and back-end programming skills.
- Gained insights into web application architecture, responsive design, and the integration of databases, equipping me with a well-rounded skill set for full-stack web development.

**Computer Networks**

- Developed a comprehensive understanding of the principles behind network design, protocols, and security.
- Skills include network configuration and troubleshooting, along with a deep understanding of the TCP/IP and OSI models, equipping me with the ability to manage and secure network systems effectively.

**Parallel programming**

- Equipped with the skills to implement parallel solutions in various programming languages and enhanced abilities to tackle complex computational problems efficiently .
- Explore the fundamentals of parallelism including algorithm design for parallel execution , managing multiple threads  and processes to optimize performance , ensuring data consistency and avoid race conditions , programming models , and methodologies for evaluating and improving the performance of parallel applications .

**ASP.NET**

- Able to understand the architecture and components of ASP.NET , explore different paradigms for building web applications, including the (Razor pages) feature , utilize Entity Framework for efficient database interactions and perform authentication and authorization to secure applications.
- Well-equipped for modern web development challenges by the ability to  design, develop, and deploy robust web applications .

## Projects
Banking System using PHP and MySQL
Football general info. website using JavaScript, CSS and HTML
Banking System using ASP.NET CORE 7 and Minimal APIs

## SKILLS & LANGUGES
**Programming Languages:** Proficient in C, Java, JavaScript, C#, ASP.NET CORE 7, MySQL, UNIX, PHP, NodeJS, HTML, and CSS.
**Languages:** Fluent in both English and Arabic