

Mohammad Nayef

Computer Science Student

Education

- I'm a third-year Computer Science student at Palestine Polytechnic University. **Sep. 2021 – Jun. 2025 (Expected)**
- Relevant university courses: Data Structures, Object-Oriented Programming, Algorithms, Relational Databases, Non-Relational Databases, Introduction to Data Science.

Experience

ASP.NET Backend Intern

Jul. 2023 – Jan. 2024

Foothill Technology Solutions | Palestine

An intensive ASP.NET internship with in-depth topics related to backend development applied in tasks that are reviewed by experienced developers to provide me with feedback and best practices. It included deep dive in Git & GitHub, C#, clean coding, unit and integration testing, databases (mainly SQL Server and MongoDB) and ORMs, ASP.NET Web API, and software architectures.

Skills

- Programming languages: C#, familiar with C++.
- Strong knowledge of Data Structures, Algorithms, and Object-Oriented Programming.
- Strong knowledge of relational and non-relational databases and the differences between them.
- Strong understanding of SOLID principles and software architectures including Clean Architecture.
- Implementing RESTful and well-documented APIs.
- Writing readable, scalable, and maintainable codes by applying clean coding principles.
- Experience with Git and GitHub by using them for my projects.
- Problem Solving and Competitive Programming.
- Active learner seeking for T-shaped skills.
- Strong written and spoken English.

Projects

- [Hotel Booking System](#): RESTful API application using ASP.NET for exploring cities, hotels, and rooms to book hotels. It applies clean coding principles and Clean Architecture for its great separation of concerns and maintainability. It uses EF Core as an ORM for SQL Server database with Repository pattern to abstract away the data access layer. It implements authentication using JWT and Role-Based Access Control (RBAC) for secure access.

Competitions, Exercises, and Volunteer Experience

- Participated in PCPC 2023 and Hebron Code Jam 2023: National Competitive Programming contests.
- Participated in NPalestine 2023: A national NP-Optimization Problem contest.
- Continuously solving programming problems using different websites. I solved over 500 problems of various topics and difficulty levels on Codeforces. [My Codeforces Profile](#)
- Serving as a Competitive Programming coach for the Code Club at my university using C++, which helped over 20 students get started with their journey in Problem Solving and improved my personality in terms of communication, explanation, and presentation skills.