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Dura, Hebron, Palestine

# Mohammad Nayef

## Computer Science Student



### Education

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- 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

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#### 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 a deep dive into Git & GitHub, C#, clean coding, SOLID principles, software testing, SQL Server and MongoDB, ORMs, system design, ASP.NET Web API, API security, and software architectures.
- Achieved a top 3 position out of 20 interns, including graduates, based on overall performance during the same cycle.

### Skills

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- Programming languages: C#, familiar with C++.
- Strong understanding of Data Structures, Algorithms, and Object-Oriented Programming.
- Strong understanding of relational and non-relational databases and the differences between them.
- Implementing RESTful and well-documented APIs.
- 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

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- [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 by isolating business logic from external dependencies. 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 for secure access.

### Competitions, Exercises, and Volunteer Experience

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- Participated in PCPC, Hebron Code Jam, and NPalestine which are national Competitive Programming contests that enhanced my teamwork skills, effective time management, and solving complex problems under pressure.
- Continuously solving programming problems. 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. This is improving my personality in terms of communication, explanation, and presentation skills.