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Dura, Hebron, Palestine

Mohammad Nayef
Computer Science Student

LinkedIn
GitHub

Education

- A **third-year Computer Science** student at Palestine Polytechnic University with honor list recognition for 2 semesters out of 4.   **Sept. 2021 – Jun. 2025 (Expected)**
- **Relevant courses:** Data Structures, Algorithms, Object-Oriented Programming, Relational Databases, Non-Relational Databases, Introduction to Data Science.

Experience

July 2023 – Present

Backend Development Intern
Foothill Technology Solutions | Palestine

- Intensive **ASP.NET** training under the guidance of senior developers.
- Finished mini projects as applications of what I have been learning, including C#, Git & GitHub, clean coding, design principles, unit testing, databases, ORMs, ASP.NET and Software Architecture.
  C# project | Design principles and clean coding project | Unit testing project
- My projects are continuously getting reviewed and receiving professional feedback by my mentors as if they were real projects.

Skills

- Programming languages: **C#**, familiar with **C++** and **Java**.
- Strong knowledge in Data Structures, Algorithms and Object-Oriented Programming concepts.
- Good knowledge in relational and non-relational databases and their differences.
- Strong understanding of SOLID principles and software architectures including Clean Architecture.
- Experience with Git and GitHub.
- Problem Solving and Competitive Programming.
- Strong written and spoken English.

Projects

- Restaurant Reservation: C# Web API project for a restaurant system that uses ASP.NET and SQL Server.
- Weather System: C# console application that simulates a real-time weather monitoring and reporting service. The system receives raw weather data in different formats (JSON, XML). The system has different types of 'weather bots'. Each of which is configured to behave differently based on the weather updates it receives. In this project, I applied some design patterns including: Singleton, Observer and Strategy.

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
- Served as a Competitive Programming coach for the Code Club at my university which improved my communication skills and the ability to convey complex ideas in a clear manner.