

# Ali Badarne

Computer Science Student | Backend Development & Software Engineering

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## Summary

Motivated Computer Science student with strong foundations in Java, SQL, and backend development. Currently developing a Spring Boot product management system with PostgreSQL integration. Skilled in algorithms, data structures, and building scalable, reliable applications. Seeking a software engineering internship to contribute technical expertise and grow professionally.

## Education

**B.Sc. in Computer Science** | Ben-Gurion University of the Negev

Expected Graduation: Aug 2027

## Technical Skills

|            |  |
|------------|--|
| Languages  | Java, Python, C#, SQL                                  |
| Web        | HTML, CSS  |
| Frameworks | Spring Boot, REST APIs                                 |
| Core       | Data Structures, Algorithms, OOP, Database Design      |
| Tools      | Git, IntelliJ, PostgreSQL                              |
| Spoken     | Arabic (Native), English (Fluent), Hebrew (Proficient) |

## Projects

### Spring Boot Product Management System

- Built a backend system with Spring Boot and PostgreSQL to manage products. Developed CRUD operations via REST APIs and applied layered architecture for maintainability.

Skills: Spring Boot, SQL, REST APIs, backend development, database integration.

## Additional Experience

- Implemented advanced data structures (AVL trees, B-trees, heaps, hash tables) with efficiency analysis.
- Designed and analyzed algorithms with complexity and amortized analysis.
- Actively participated in coding challenges and competitions.

## Activities & Interests

Passionate about backend systems, distributed computing, cybersecurity, and applied AI. Active in coding challenges and collaborative study groups.