Rachana Sharma

✉ rachana.sharma9754@gmail.com

📍 Horsens, Denmark

🔗 Github

📞 +45 71828193

in LinkedIn

🪪 Profile

I am a Software Engineering student with experience in Java, JavaScript, Python, and C#. I am passionate about developing both engaging front-end interfaces and efficient back-end systems for user-friendly web applications. My coursework includes Data Structures, OOP, Networking, Web Development, and Database Systems. I am a quick learner, seeking an internship or student job to apply my skills in front-end (HTML, CSS, JavaScript, Blazor) and back-end development.

🎓 Education

2023 – present Horsens, Denmark	**VIA *University Horsens***

- Studied design patterns and applied MVVM, Observer and Singleton in a restaurant table booking system.
- Gained knowledge of SOLID principles and ensured maintainable and scalable code in Java projects.
- Explored algorithms and data structures to optimize performance in database queries and data handling.

📂 Projects

Bob the Builder Web and File Management System

VIA *University, 1st Semester Project*

- Developed a web system and file management solution for a construction company, focusing on project tracking and client interaction.
- Technologies: Java, JavaFX, HTML, CSS, JavaScript, GitHub, Bootstrap.
- Key Features: Project tracking, daily updates, file-based persistence, responsive website design.
- Role: Full-stack development, collaborated in a 5-member multicultural team following waterfall method , used GitHub for version control.

Restaurant Management System ⬀

VIA *University, 2nd Semester Project*

- Developed a digital solution for restaurant operations, focusing on table reservations, menu management, and order tracking.
- Technologies: Java, JavaFX, PostgreSQL, RMI, GitHub.
- Key Features: Table booking, menu browsing, food ordering, and customer management.
- Role: Full-stack developer, used Scrum for project management, implemented design patterns like MVVM, Observer, and Singleton.

Inventory Management System ⬀
VIA University, 3rd Semester Project
- Developed an inventory management system as a 3-tier application to manage stock, suppliers and orders efficiently.
- Technologies: Blazor, Java, C#, PostgreSQL, GitHub.
- Key Features: Real-time inventory tracking, role-based access, automated stock updates and reporting system.
- Role: Full-stack developer, created the presentation layer using Blazor, the application layer using Java and the data tier using C#.
- Followed Agile methodology for development.

🧠 Skills

Java │ C# │ JavaScript │ HTML │ CSS │ Object-Oriented Programming │ SQL │ Blazor │ MVVM

💼 Professional Experience

2022 Towada, Japan	**Nursing Care** My experience as a Nursing Care Assistant has enhanced my compassion and ability to work effectively under pressure, making me a dedicated and empathetic candidate for any team.

🌐 Languages

- Nepali
- English
- Hindi
- japanese (Conversational)
- Danish (Basic)