

# Rachana Sharma

✉ rachana.sharma9754@gmail.com

☎ +45 71828193

📍 Horsens, Denmark

🌐 LinkedIn

🐙 Github



## 👤 Profile

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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

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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

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### Portfolio Website

#### Personal Project

- Built a personal portfolio website to highlight my skills, projects, and achievements.
- Technologies Used: HTML, CSS, JavaScript, Bootstrap
- Highlights:
  - Smooth and interactive user experience
  - Fully responsive design adaptable to all screen sizes
  - Integrated GitHub projects for live code access

### 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

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



## Professional Experience

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2022

### Nursing Care

Towada, Japan

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

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|--------------------------------|------------------|---------|
| • Nepali                       | • English        | • Hindi |
| • japanese<br>(Conversational) | • Danish (Basic) |         |