

# Rachana Sharma

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📍 Horsens, Denmark

🌐 LinkedIn

🐙 Github

🔗 Portfolio



## 👤 Profile

I am a Software Engineering student at VIA University, Denmark, specializing in full-stack development with a strong passion for frontend technologies. I enjoy designing intuitive, modern user interfaces while ensuring scalable and efficient backend functionality. With experience in Java, C#, Blazor, PostgreSQL, React, and TypeScript, I focus on building user-friendly applications that blend aesthetics with performance. Additionally, I am expanding my knowledge in DevOps, CI/CD, and cloud deployment to enhance my understanding of software automation and modern development workflows. I am a quick learner, eager to apply my skills in a professional environment, and excited about the opportunity to contribute to meaningful projects that drive innovation.

## 🎓 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.
- Currently expanding knowledge in DevOps, TypeScript, React, machine learning in Python, and C programming

## 📁 Projects

### 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

### Pokédex App [🔗](#)

#### Academic Project

- Developed a responsive Pokédex web app to display and filter Pokémon data with detailed modal views.
- Technologies: React, Vite, JavaScript, CSS, PokéAPI, GitHub Pages.
- Key Features: Search and filter, modal detail view, pagination, mobile-friendly layout.

- Role: Frontend developer, handled UI design and API integration using React and PokéAPI.

### 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.

### 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.

## Skills

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**Frontend Development:** React, JavaScript, TypeScript, Blazor, Bootstrap, HTML, CSS |

**Backend Development:** Java, C#, .NET , ASP.NET  , PostgreSQL, Python |

**DevOps & Cloud Technologies (Learning):** Kubernetes, Docker, Linux, CI/CD |

**Software Architecture:** OOP, SOLID Principles, Design Patterns (MVVM, Observer) |

**Collaboration & Workflow:** Agile (Scrum), Git, GitHub, Version Control

## Professional Experience

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2022

Towada, Japan

### Nursing Care

Gained strong problem-solving, communication, and teamwork skills while working under pressure as a Nursing Care Assistant.

## Languages

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

## Interests

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### Content Creation

- Videos on lifestyle, shopping, and skincare

### Swimming

- Enjoyment and relaxation

### Dance

- For fun and self-expression