

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

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.

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.

Skills

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

2022

Towada, Japan

Nursing Care

My experience as a Nursing Care Assistant enhanced my ability to work under pressure while strengthening my problem-solving and interpersonal skills, making me a versatile team player.

Languages

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

Interests

Content Creation

- Videos on lifestyle, shopping, and skincare

Swimming

- Enjoyment and relaxation

Dance

- For fun and self-expression