

# Adres Fattah

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## EDUCATION

### Via University College

Horsens, Denmark

PBA in Software Engineering

Expected Graduation, Jan 2027

- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Object-Oriented Programming, Embedded Software, DevOps

## EXPERIENCE

### Interacoustics

Middelfart, Denmark

Software Development Engineering Intern

Aug 2025 – Dec 2025

- Created a QR-scanner that can scan QR codes using third party libraries
- Worked with developing GUI to an embedded device, developed the GUI in LVGL (Light and Versatile Graphics Library)
- Developed a Bluetooth interface for a Bluetooth chip to enable communication between the device and its low-level interface.
- Worked on unit testing using GoogleTest and GoogleMock.
- Developed a messaging system for a battery simulator.
- DevOps in Microsoft Azure
- All tasks were developed using object-oriented principles in C++ and other relevant programming languages.

## PROJECTS DURING SCHOOL

### Greenhouse (Embedded)

Developer

Feb 2025 – July 2025

- Designed IoT solutions with CI/CD, hardware programming, cloud backend, and DevOps.
- Developed an IoT-based greenhouse integrated with machine learning (Python) and a frontend solution.

### Car Rental System

Developer/Product Owner

Sep 2024 – Jan 2025

Developed a car rental system using a microservices architecture with REST and gRPC for communication, Hibernate for the relational database, and .NET with Blazor for the frontend. Implemented JWT authentication.

### Online shopping system

Developer/Scrum Master

Feb 2024 – July 2024

- Developed client/server systems with a focus on UML, SQL, unit testing, and Scrum.
- As a team, we built an online shopping cart system based on SOLID principles for maintainability and scalability.

### Project Management - Single-User System

Developer

Aug 2023 – Jan 2024

- A system that monitors project progress and expenses while providing a website that displays real-time updated data. Built using Java, JavaFX, JavaScript, XML, HTML, and CSS.

## Experience & Interests

I have worked as a receptionist at Hotel (Mar. 2024 – Aug 2025), handling guest service, check-ins/outs, and teamwork.

I have worked at Fakta/Coop 365 Fredericia (May 2019 – Mar. 2024), where I took responsibility for closing shifts and developed leadership and customer service skills.

I lead an active lifestyle, train 3–4 times a week, and enjoy reading and socializing with friends.

I am passionate about football (a Liverpool fan), traveling, and exploring new cultures.

## SKILLS

**Programming:** Java, Python, JavaScript, SQL, Node.js, React.js, C++, C, .NET, C#

**Tools:** IntelliJ, Visual Studio Code, Azure DevOps, Jupyter Notebooks, Git, Bootstrap, Spring Boot, Agile, SConstruct