Ahmad Tasnim Zirman

+45 28 83 06 91 | ahmad.t.zirman@gmail.com | linkedin.com/in/ahmad-tasnim-zirman | github.com/AhmadZirman

Education

Aalborg University (AAU) — Aalborg, Denmark
Bachelor of Software Engineering (B.Sc.) — *Sep. 2025 – Present*

Kolding Gymnasium — Kolding, Denmark
STX – Mathematics A, Chemistry A, & Spanish A — *Aug. 2022 – Jun. 2025*

Projects

Restaurant Management System | *Java, React, REST API, Spring, Docker, PostgreSQL, Git* — Autumn 2026

- Developed a full-stack restaurant management system in collaboration with Pandrup Pizza, a local restaurant.
- Built features for online table booking, menu browsing, and order entry, with orders sent from waiters to the kitchen.
- Designed a REST API with Java and Spring Boot, using PostgreSQL to store reservations, menu items, and orders.
- Containerised the application with Docker and worked in a 7-person team using Git.

Cookie Clicker Benchmarking Tool | *JavaScript, HTML, CSS, Algorithms, Git* — Spring 2026

- Developed a browser-based benchmarking tool for comparing algorithmic strategies on a simplified Cookie Clicker model.
- Implemented and evaluated greedy and brute-force algorithms for sequential decision-making problems.
- Built visualisations for algorithm performance, including charts, comparisons, and decision timelines.
- Designed a modular algorithm framework allowing new strategies to be added and tested easily.

Wildfire Road Safety | *C, CMake, libcurl, Git* — Autumn 2025

- Developed a tool for assessing road risks during wildfire evacuations by analysing geographic data and road conditions.
- Implemented a terminal-based user interface (TUI) for exploring affected areas and viewing calculated risk values for individual roads.
- Worked with external data sources and contributed to software development practices using Git-based collaboration.
- Collaborated in a team project following structured development workflows with branches, commits, and pull requests.

Technical Skills

Languages: Java, Python, C, C#, JavaScript, SQL, HTML/CSS
Frameworks & Technologies: Spring Boot, React, Node.js, Firebase, REST APIs
Databases: PostgreSQL, Firebase Firestore
Developer Tools: Git/GitHub, Docker, VS Code, Visual Studio, PyCharm, IntelliJ IDEA, Unity, Blender, CMake
Concepts: Object-Oriented Programming (OOP), Algorithms & Data Structures, System Design, Version Control, Unit Testing

Experience

Cleaning Assistant — Apr. 2024 – Jun. 2025
ISS Facility Services – Hospitals in the Region of Southern Denmark — *Kolding, Denmark*

- Independently managed cleaning across 3–5 hospital floors, including patient rooms and kitchen areas.
- Followed strict hygiene procedures in a healthcare setting and covered kitchen duties on weekend shifts.

Cashier — Aug. 2021 – May 2024
Føtex — *Kolding, Denmark*

- Handled cash, card, and mobile payments accurately in a fast-paced retail environment.
- Assisted customers with purchases and resolved inquiries at the checkout.

Floor Manager — Jun. 2021 – Jun. 2022
Uranus Party House — *Kolding, Denmark*

- Coordinated service staff during private events, including room setup and buffet service.
- Worked with kitchen and service teams to keep events running smoothly.