Ayesha Mahjabin Nishat

Software Developer Intern

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EDUCATION

Memorial University of Newfoundland — St. John's, NL

Bachelor of Science, Computer Science — *2022-2026*

Relevant Coursework: Data structures and Algorithms, Computer Architecture, Operating systems, Software Engineering, Computer Networks, Algorithm for AI

PROJECTS

AI Web Scraper with Ollama — May 2025- June 2025

[Github](#)

- Developed an AI-powered web assistant that extracts structured content from any webpage using BeautifulSoup and serves intelligent responses through Ollama's local LLM models.
- Designed a flexible user interaction system allowing users to query scraped content with natural language
- Integrated Ollama's on-device model offline reasoning, reducing dependency on cloud-based APIs.
- Implemented robust content parsing and prompt engineering techniques to handle varied page structures without hardcoding.

KIVI- Java Multiplayer Board Game — January 2025- April 2025

[Github](#) - Software Engineering Course

- Developed and implemented the full setup game UI using Java Swing, ensuring a responsive, user-friendly layout coded with game logic and rule-based restrictions in mind.
- Collaborated on the core multiplayer logic, including turn-based flow, move validation, and score updates, to ensure fair and consistent gameplay.
- Applied object-oriented programming principles for a modular and maintainable codebase, improving scalability for future feature additions.

Personal Portfolio Website — June 2025- July 2025

[Github](#)

- Designed and Developed a fully responsive, interactive portfolio using React + Vite, TailwindCss
- Implemented advanced UI animations with Framer Motion, following a mobile friendly UI for optimal cross-device performance.
- Integrated a custom Splash Cursor component using ReactBits, (additionally features FlipWord, Globe UI component) adding a unique, dynamic interaction layer without compromising performance.
- Optimized component structure and state management for scalability and maintainability.

TECHNICAL SKILLS

Python, Java, C, HTML, JavaScript, SQL, React, TailwindCSS, UI/UX