

# Aishan Irfan

587-966-9047, Calgary, Alberta | [aishanirfan6@gmail.com](mailto:aishanirfan6@gmail.com) | [linkedin.com/in/aishan](https://www.linkedin.com/in/aishan) | [github.com/aishan](https://github.com/aishan) | [portfolio/aishan](https://portfolio/aishan)

## Education

**University of Calgary** Calgary, AB  
**Bachelor of Science in Computer Science (GPA: 3.70)** Expected Graduation: December 2025  
**Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Web Development, Database Management Systems, Software Design, Operating Systems, Computer Networks, Discrete Structures

## Technical Skills

**Languages:** JavaScript, TypeScript, Python, Java, Go, SQL, C, C++, HTML, CSS, Bash

**Frameworks:** Next.js, Tailwind CSS, React, Node.js, Bootstrap, JUnit

**Tools:** Git, Unix, Docker, PostgreSQL, MongoDB, Drizzle, Prisma, Redis, Figma

## Experience

**National Institute of Technology** May 2024 – August 2024  
**Software Engineer Intern** Srinagar, J&K

- Developed a headless CMS and metrics dashboard for the online campus bookstore, utilized by over 1,000 students, using Next.js and TypeScript, enhancing content management efficiency by 30%
- Implemented efficient backend services with Prisma and PostgreSQL alongside Next Serverless, optimizing data retrieval processes and reducing server response times
- Incorporated secure authentication with NextAuth, enhancing data security
- Enhanced user experience with a responsive, user-friendly interface designed with Figma & Tailwind CSS

**Staples** April 2022 – June 2022

**Technical Associate** Calgary, AB

- Provided informed recommendations and promptly resolved software issues, showcasing expertise in troubleshooting and optimizing software performance
- Assisted in training new team members, ensuring a smooth onboarding process and fostering a collaborative team environment

## Projects

**casesAndCovers** | *Next.js, TypeScript, Prisma, Shadcn, Stripe, Tailwind,*

- Deployed an E-Commerce store using Next.js, with a custom mobile case configurator, drag-and-drop uploads, and Kinde for authentication
- Integrated Stripe for secure payment processing and utilized server-side rendering (SSR) to improve SEO and ensure better search engine visibility
- Created a hidden admin dashboard for managing orders and generating thank-you emails, resulting in efficient order processing

**Lingo** | *Next.js, React, Drizzle, PostgreSQL, Stripe, Tailwind*

- Launched a language learning SaaS platform using Next.js, incorporating AI voices for speech synthesis
- Employed Clerk for secure authentication and added sound effects for interactive feedback
- Used Drizzle ORM with PostgreSQL, for optimized data management, improving storage and retrieval
- Enhanced user engagement with a hearts system, Pro tier subscription via Stripe, and mobile-friendly design

**aiAlly** | *LangChain, React, Supabase, JavaScript, PostgreSQL, OpenAI*

- Engineered a context-aware AI chatbot using Langchain and React for dynamic Q and A
- Leveraged OpenAI embeddings and Supabase vector storage for efficient data retrieval, ensuring precise answers from extensive datasets
- Built a conversation memory system with OpenAI models for coherent interactions and responses

**Rebuildis** | *Go, Telnet, TCP, Raft,*

- Built a key-value, in-memory database system like Redis in Go for efficient data management
- Introduced disaster recovery using Write-Ahead Logging (WAL), planning synchronous and asynchronous replication
- Designed a TCP server with replication and leader election using the Raft algorithm for high availability and fault tolerance