

Aryaman Pandey

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EDUCATION

Dalhousie University

Halifax, NS

Bachelor of Computer Science, **CGPA- 4.13/4.3**

Jan 2023 - Expected Jan 2027

- Awards Sexton Scholar, Dean's list, Phi Delta Theta Academic Pathway Award, George B Robertson Scholarship

AWS Cloud Practitioner Certificate March 2025

Supervised Machine Learning Stanford Course August 2025

EXPERIENCE

Software Engineer Intern

May 2025 - September 2025

SpryPoint

Halifax, NS

- Reduced the loading speed of a DataTable from **20 seconds** to **2 seconds** through indexing in **Database**
- Engineered **scalable backend** endpoints using the **Play Framework** in **Java**, improving efficiency for large datasets.
- Improved **data display and processing** for users of **SpryEngage** product by implementing dynamic **Knockout.js** interfaces and **Play Framework** backend endpoints.

Software Developer Intern

May 2024 - September 2024

immediaC

Halifax, NS

- Developed an iOS app using **Swift** and **SwiftUI** in **MVVM architecture**, reducing development time by **15%** due to efficient architecture choices.
- Designed **RESTful APIs** for user registration in **.NET**, leading to a **30%** increase in new user sign-ups for a client.

Teaching Assistant & Marker: Software Development, Systems, Math

September 2024 - Present

Dalhousie University

Halifax, NS

- Led tutorials for **50+** students, improving student engagement and ensuring **90%** of students successfully met learning objectives in lab assignments.
- Taught fundamental concepts including **git**, **SOLID principles**, **Refactoring**, **JUnit Testing**, **Defensive Programming**, operating **Linux Terminals**, **RAM**, **logic**, **set theory**, **combinatorics**.

Data Science Intern

June 2025 - August 2025

Tripl Inc.

Halifax, NS

- **Processed** and **cleaned** datasets for internal reporting by using **Python**, **NumPy**, and **Pandas** to filter and organize data.
- Supported data-driven decision-making by ensuring accurate and clean datasets through basic data manipulation with **NumPy** and **Pandas**.

FCS Engagement Ambassador

July 2025 - Present

Dalhousie University

Halifax, NS

- Organized first-week orientation for over **120 computer science students**, leading to **74% retention rate**.
- **Trained** a team of student volunteers, measured by their preparedness and participation, by providing guidance on roles, responsibilities, and **event workflows**.
- Fostered a stronger faculty community, as measured by student feedback and participation, by organizing collaborative activities and **mentorship opportunities** during orientation week.

PROJECTS

Scholarly | *React, TypeScript, Express, Tailwind, Docker, Shadcn, MySQL*

[Github Link](#)

- Built **RESTful APIs** in **Express.js** with **MySQL**, handling **authentication**, session management, and CRUD operations for users and flashcards.
- **Containerized** the application with **Docker**, simplifying deployment and enabling easy self-hosting.
- Wrote technical documentation and walkthroughs, **improving accessibility** for new users and contributors.
- Managed project development using **GitHub Issues**, feature branches, and **pull requests**, ensuring clean version control and streamlined collaboration.

SkyCast | *HTML, CSS, JavaScript*

[Github Link](#)

- Built an application to look at the weather using **GeoCoding API** to find the longitude and latitude of the weather.
- Used **Third Party API services** to get the weather information for any state/city that the user wants.

SKILLS

Languages: Swift, Java, Python, JavaScript, HTML/CSS, C#, MySQL, C, C++

Technologies: SwiftUI, ASP.NET Core, Numpy, React, TypeScript, Express, Node.js, Pandas, Docker, AWS