

# Aryaman Singh

437-262-3261 | [aryaman.singh215@gmail.com](mailto:aryaman.singh215@gmail.com) | [www.linkedin.com/in/singh-aryaman](http://www.linkedin.com/in/singh-aryaman) | <https://github.com/aryaa9>

## EDUCATION

### Wilfrid Laurier University

*Hons. Bachelor of Science in Computer Science*

Waterloo, ON

*Expected April 2026*

## EXPERIENCE

### Amelia

*Software Engineering Intern*

January 2024 – Present

*Toronto, ON*

- Leveraged **React Native** framework and **Typescript** to develop cross-platform features, ensuring functionality and performance across **iOS and Android** devices.
- Documented **API endpoints**, request parameters, and response formats to facilitate efficient communication and collaboration among team members.
- Leveraged **RTK Query** for centralized and efficient handling of server state in a high-performance web application, streamlining API data fetching, caching, and state synchronization processes.

### Laurier Analytics Society

*Web Developer*

October 2023 – Present

*Waterloo, ON*

- Developing and maintaining a fully functional website by utilizing **React**, **Node.js**, and **Tailwind CSS**.
- Improved various features on the website, such as an event registration system, updating website content regularly and Incorporated **tRPC**, creating a sign-up sheet responsible for recruiting 40+ general members.
- Optimized website performance by implementing caching techniques and reducing load times by **30 percent** resulting in improved user experience and increased user engagement.

### Mrignayni

*Software Development Intern*

September 2021 – July 2022

*Remote*

- Restructured a comprehensive billing using **React** to accurately calculate purchase prices, applied tax and discounts resulting in a reduction of errors.
- Utilized **Agile methodology** and **CI/CD** pipelines to execute testing and deployment of the product to **30** users.
- Collaborated with a team of developers to create an efficient inventory management application that successfully managed and tracked over **500 products**.

## PROJECTS

### FoodFrame | *React Native, Node.js, Python, Gemini, Flask, Firebase*

- Developed an interactive mobile application using **React Native**, **Firebase**, and **Google Cloud's machine learning models** to recognize food items from images and suggest recipes based on real-time inventory data.
- Built a robust backend using **Flask** for handling server-side logic, **Firebase** Realtime Database for managing inventory and recipe data, and integrated **Google Cloud's** machine learning models to support image recognition and nutritional information processing.

### Geo-Disaster Tracker | *React, NASA EONET API, Typescript, CockroachDB*

- Developed an interactive web application using **React**, **Leaflet.js**, and the **NASA EONET API** to visualize natural disaster events, such as wildfires and volcanoes, on a global map.
- Implemented dynamic data fetching to retrieve real-time event information across **13** categories, including locations, dates, and detailed descriptions, enhancing the application's responsiveness and user experience.
- Integrated **Auth0** authentication to ensure secure user login and registration, providing a seamless and protected user experience.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, TypeScript

**Frameworks:** React, React Native, Node.js, Next.js, Bootstrap, Flask, Express.js, RestAPI, Django

**Developer Tools:** Git, Google Cloud Platform, Visual Studio Code, XCode, PyCharm, IntelliJ, Eclipse

**Certifications:** Meta Professional Certificate in Back-end Development and Django Web Frameworks