

# Arunteja Kuchibhatla

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## EDUCATION

### Carleton University

Ottawa, Ontario

**Bachelor of Computer Science Honors** | GPA: 3.98/4.0

Expected Graduation: December 2025

**Awards:** Entrance Scholarship of \$16,000 per year, \$8000 bursary for high academic performance

**Relevant Coursework:** Operating Systems, Web Development, Software Engineering in C++, Data structures & Algorithms

## EXPERIENCE

### Royal Bank of Canada

Toronto, Ontario

Software Engineer Intern – Data Sharing APIs Team (Open Banking/Financial Data Exchange)

May 2024 – Present

- Increased code coverage for 5 data exchange services from 37% to **98%** by developing over **20** comprehensive **JUnit** tests, resulting in a **50%** reduction in testing time and a **75%** decrease in reported bugs.
- Reduced data errors by **15%** and ensured compliance for **over 5 million** clients by implementing an age verification feature to RBC's Pay by Bank API using **Spring WebFlux** and **Java**.

### Royal Bank of Canada

Toronto, Ontario

Software Engineer Intern - DevOps Engineering Team

May 2023 – Dec. 2023

- Spearheaded the creation of an onboarding system of a developer portal for new employees resulting in a **25% YOY increase** in sign-ups, using React for the frontend and **TypeScript & NodeJS** for the backend.
- Improved client verification API latency by **80%** (30s to 5s) by implementing a query scheduler in **TypeScript**, enhancing performance and user experience.
- Developed **10+ React** pages for an internal developer portal to provide insights (e.g. project lifecycle, CPU architecture, cloud platform) on over **10,000** software packages/APIs.

### Carleton University

Ottawa, Ontario

Teaching Assistant, Data Structures and Algorithms in Java

Sep. 2022 – May 2023

- Counselled over **400** students on runtime and space complexities of their programs through regular office hours and conducted workshops to teach various data structures.

## PERSONAL PROJECTS

### Catch that Fridge! (Community Fridge Website)

[GitHub Link](#)

- Developed a full stack website attracting over **100** users to display Community Fridges using **JavaScript**, HTML and CSS for the frontend, Express.js and Node.js for the backend server and MongoDB for storing fridge data.
- Implemented a middleware REST API with over **10** endpoints using Node.js and JavaScript for users to query fridge data.

### Vibe-ify (Music Player)

[GitHub Link](#)

- Developed a **C++** based music player implementing the Model view controller (MVC) design pattern, enabling users to create and manage playlists of songs with multiple user profiles.
- Leveraged Valgrind for memory leak detection and utilized multithreading with pthreads for concurrent audio playback.

## LEADERSHIP

### Tech Lead & Mentor

Toronto, Ontario

Summer Tech Labs ([Website Link](#))

June 2023 – Aug. 2023

- Managed a team of **5** high school developer interns through 1on1 sessions and code reviews using Git & GitHub.
- Facilitated pair programming sessions and led workshops on Object Oriented Programming, TypeScript, and **SQL**.
- Taught software design patterns such as MVC and debugging methodologies like unit testing and performance profiling.

## TECHNICAL SKILLS

**Programming:** Java, JavaScript, React, TypeScript, SQL, C++, HTML/CSS, Node.js, Spring WebFlux

**Tools:** Git, MongoDB, Redis, Docker, Kubernetes, Postman, Jira