Arunteja Kuchibhatla

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EDUCATION

Carleton University — Ottawa, Ontario
Bachelor of Computer Science Honours | GPA: 4.0/4.0 — **Expected Graduation:** December 2026

TECHNICAL SKILLS

Languages: Java, Python, C++, C, SQL, TypeScript, C#, HTML/CSS
Frameworks: Spring WebFlux, Mockito, React.js, Node.js, JUnit, AWS CDK
Developer Tools: Git, Azure, Docker, Unix/Linux, Kubernetes, Jenkins, AWS, Postman, Jira, VS Code

WORK EXPERIENCE

Software Engineer Intern — May 2025 - August 2025
Shopify Inc. — *Toronto, Ontario*
- Incoming Summer 2025

Data Structures and Algorithms Teaching Assistant — September 2022 - December 2024
Carleton University — *Ottawa, Ontario*
- Guided **600+ students** in mastering data structures, algorithms and complexity analysis via office hours.
- Led exam review sessions and algorithm optimization workshops, contributing to **200+ A+ grades**.

Software Engineer Intern — May 2024 - August 2024
Royal Bank of Canada (RBC) - Financial Data Exchange (FDX) Team — *Toronto, Ontario*
- Improved UX by developing secure data exchange **RESTful APIs in Java** leveraging **JWT** authentication, benefiting **15M+** clients using Open banking services.
- Engineered a scalable, distributed **Spring WebFlux** orchestrator to manage data exchange services, reducing app startup time by **50% (4s to 2s)** and improving reliability for **10M+** users.
- Automated testing with **100% JUnit test coverage** of core FDX services using Mockito, ensuring high reliability for distributed service components.

Software Engineer Intern — May 2023 - December 2023
Royal Bank of Canada (RBC) - DevOps Engineering Team — *Toronto, Ontario*
- Spearheaded development of a microservice onboarding system for an internal developer portal, increasing onboarded services by **35% QoQ** using **React, TypeScript** & **Entra SSO**.
- Authored system design documentation and integration plans for the microservice onboarding system, enabling seamless collaboration and streamlined workflows.
- Optimized inefficient single API calls to Entra ID with **Python ETL pipelines**, structuring data to enhance developer experience and reducing database response time by **40% (4s to 2.4s)**.

PROJECTS

Code Spa VSCode Extension | *TypeScript, Git* (GitHub)
- Developing a TypeScript VSCode extension integrating popular music apps for in-editor playback, featuring a dynamic UI that adapts visuals based on the active project's context.

Nerd Express Taxi Game | *C++, STL, Git* (GitHub)
- Developed an interactive taxi game with 2D map visualization and Manhattan distance for optimal pathfinding.
- Facilitated taxi assignment using a greedy algorithm, applying optimization mathematics to minimize wait times.

RaDoTech Health Monitoring Simulation | *C++, Qt, SQLite, Git* (GitHub) (Demo Video)
- Developed a health monitoring system with real-time updates using the **Observer design pattern**.
- Implemented recommendation algorithms like collaborative filtering and regression models to analyze health data.

LEADERSHIP

Vice President Talent — January 2025 - Present
Carleton University Blueprint — *Ottawa, Ontario*
- Leading talent strategy and hiring of passionate volunteer developers across **10+** impact-driven nonprofit projects.