ADITYA SRIRAMTEJA CHILUKURI

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Education

Carleton University   **Sep. 2022 – May 2026**
Computer Science Artificial Intelligence and Machine Learning Stream B.C.S. Honours (GPA: 4/4 A+)   *Ottawa, Ontario*
- Carleton University Deans' Honour List.
- Henry Marshall Tory scholarship.

Experience

Developer Intern   **May 2024 – Present**
Royal Bank of Canada (RBC)   *Toronto, Ontario*
- Working with the **Continuous Integration and Continuous Deployment pipelines** to integrate the test solutions.
- Leveraging cutting edge technologies such as **Gen-AI** for automated script generation within Integrated Developer Environments (IDE's)
- Adapting to new technologies in the field of **development testing.**
- Contributing to **open-source projects** showcasing an ability to collaborate and contribute to a shared codebase.

Carleton University Blueprint - Frontend Developer   **2022 – 2023**
Next.JS, React.JS, Material UI, Postgresql   *Ottawa, Ontario*
- Engineered a responsive web application that centralizes services to streamline the onboarding and settlement process for newcomers and refugees in Canada.
- Crafted a social tasks and journey dashboard by harnessing the organization's **REST APIs** and utilizing React hooks to monitor the state of the API request, all while incorporating error handling and input field validation.
- Implemented multilingual functionality by caching user's language preference and leveraging local JSON object data to fetch new translations upon the change of language preference.
- Collaborated closely with a team of 10 members in an **agile methodology**, efficiently utilizing **Git** for version control to organize code modifications and track individual tasks.

Hajo Trips - Mobile Application Developer   **2023 – 2023**
Flutter, Google Firebase, Google Firestore   *Ottawa, Ontario*
- Utilized **Dart** framework and **Flutter** to develop the frontend of a native mobile application for iOS/Android.
- Worked with **Google Cloud Firebase** to manage user input data across multiple platforms including web and mobile.
- Elevated user engagement by integrating **Firebase Cloud Messaging** (FCM) to deliver foreground and background push notifications, using Firebase user authentication and device tokenization.

Carleton University- Teaching Assistant   **2023 – 2023**
Discrete Structures I   *Ottawa, Ontario*
- Conducted weekly one-on-one student assistance during office hours to address individual learning challenges.
- Assessed and provided personalized feedback to 200+ students to facilitate academic growth.

Projects

Liber: Hands-Free Social Media | *Flutter, Firebase, Firestore, SQLite* ⬈
- Spearheaded the creation of a groundbreaking cross platform hands-free social media, enabling seamless interaction for physically impaired individuals through in-app speech navigation powered by **Speech-to-Text Flutter package**.
- Integrated **Alan AI** to enhance user accessibility by providing voice-assisted reading of text from tweets.
- Cached tweets from Twitter APIv2 in a **SQLite** local database, resulting in faster on-screen data display and reducing the need for multiple API calls.

Technical Skills

Languages: Java, Python, Flutter, JavaScript, HTML, C, C++
Developer Tools: Google Firebase, Git, Vscode
Frameworks/ Library: Dart, Node.JS, Next.JS, React.JS, CSS
Cloud/Databases: Google Firestore, SQLite, MySQL, Postgres SQL, MongoDB

Leadership / Extracurricular

Carleton University Blueprint   **2023 – Present**
President
- Blueprint is a team of students who develop pro-bono application for not-for-profits and promote tech for social good.
- Leading the club of **30+** active students members and **2+** ongoing projects.
- Defining vision, managing relationships with fellow Blueprint chapters, and the school of Computer Science at Carleton University to support new projects and events.
- Ensuring project completion, while supporting hiring, fundraising, social media outreach, and team culture through socials and one-on-one check-ins.