

ARINDAM MISHRA

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EDUCATION

University of Calgary

Calgary, AB

Bachelor of Science in Software Engineering

September 2019 – May 2024

- **Awards:** Graduate with distinction, UCalgary Entrance Scholarship, First-Year Scholar, Continuing Scholarship .
- **Relevant coursework:** Data Structures & Algorithms, Software Performance Evaluation and Testing, Database Design, Software Architecture, Machine Learning, UI/UX Design, Web Development, Project Management.
- **Skills:** C, C++, Java, Python, MySQL, JUnit, HTML, Tailwind CSS, JavaScript, Node.js, React.js, NextJS, TypeScript, Git, Web Development, Angular, REST API, RED Robot Framework, Docker, Postman, Assembly language, Expo, Google Firebase, Figma, Jira, Selenium, Linux-Based Systems, Microchip

EXPERIENCE

PureWeb

September 2022 – August 2023

Full Stack Developer Intern

Calgary, AB

- Engaged in diverse client projects entailing front-end development with React.js, back-end integration utilizing JAVA, server maintenance, creation of Software Bill of Materials, and documentation using Confluence.
- Spearheaded the migration of End-of-Life Angular codebase to React.js, reducing the product build time by **50%**.
- Collaborated with the QA team to conduct release testing, authored robot framework tests, and introduced Selenium tests to the team for automated front-end testing, streamlining processes and conserving human resources.

Useful Inc.

May 2022 – September 2022

Software Developer Intern

Calgary, AB

- Researched and evaluated 15 open media servers to optimize client outreach strategies; identified the top 3 servers with the highest user engagement, resulting in a **10%** increase in client acquisitions for the company.
- Led a project focused on implementing Android Over-the-air updates, to optimize the firmware update procedure.
- Authored 20+ React Unit tests, leading to a **60%** increase in JavaScript unit test coverage.

Earth Samwartha Organisation

June 2020 – November 2020

Data Management Intern

Ayodhya, India

- Achieved **80%** COVID case data coverage in the city based on the local hospital's estimate.
- Volunteered as a Subject Manager for the "PhoneShaala" platform, actively contributing to the facilitation of education for underprivileged students during the pandemic and achieving a **50%** increase in lesson delivery.

PROJECTS

YYC Beeswax Mobile Application | *React Native, Firebase, Expo, and Stripe*

- Orchestrated a collaborative effort with five students to spearhead the development of an Android and iOS e-commerce mobile application for YYC Beeswax, a Calgary-based small business, enhancing their digital presence and sales.
- Showcased the app at the University of Calgary Capstone Fair, earning accolades for its innovation and functionality.

CookR | *HTML, CSS, and JavaScript*

- Designed and developed a user-friendly cooking instructor web application, enabling users to browse and cook dishes.
- Initiated a Task-Centered Design Process and a 3-stage prototyping approach to design and build the system.
- Provided mentorship and guidance to a novice developer, facilitating their proficiency in JavaScript programming.

Prescribe | *NextJS, PostgreSQL, Tailwind CSS, and Docker*

- Led a team of 5 members to develop a web application for a paperless prescription service which allows patients to send their prescriptions to a pharmacy, allowing them to skip the line and save time.
- Gained proficiency in Next.js and Docker during development, showcasing the ability to learn and apply new technologies quickly.

InSwimAnalytics | *MySQL, PHP, JAVA and jQuery*

- Collaborated with two students to build the back-end and front-end of a swimming analytics company.
- Conducted thorough API testing using Postman, validating over **95%** of user inputs to ensure robust functionality.
- Authored JUnit tests to conduct unit testing, in order to demonstrate a bug-free application and evaluate the application's integrity, achieving **90%** code coverage, ensuring high-quality software delivery.

LEADERSHIP POSITIONS

Director of Biotechnology Club | Team Lead in Capstone project | Chief Volunteer, Pawssible