

PRIYADARSHINI SAHA

COMPUTER SCIENCE | UNIVERSITY OF WATERLOO

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TECHNICAL SKILLS

Front-End Technologies: Angular, React, RxJS/NgRx, HTML, CSS/SCSS, JavaScript, TypeScript, Visual Basic, Bash Scripting, Node.js, NPM

Back-End Technologies: Java, C++, C, Python, SpringBoot, PHP, R

Databases & Servers: Firebase, MySQL, JDBC, phpMyAdmin, Apache XAMPP, MS SQL Server

Testing Tools: Jest, Postman

Tools & Technologies: Git, Jira, Confluence, Markdown, GitHub, GitLab, Eclipse, Visual Studio Code, Vim

Design: Figma, Canva

EDUCATION

University of Waterloo

September 2020 – April 2025 | Waterloo, Ontario

- **Bachelor of Computer Science, Co-op**
- Faculty of Mathematics President's Distinction Scholarship Recipient for 95%+
- *Relevant Courses:* Application Development (**Kotlin**), Sequential Programs (**C/C++**), Object-Oriented Software Development (**C++**), Data Structures (**C/C++**),

AWARDS & ACCOMPLISHMENTS

Grace Hopper Scholar | WiCS

September 2022

- Received full scholarship to attend **AnitaB.org's Grace Hopper Celebration**, world's largest technical conference for women in recognition for contributions to the WiCS Undergraduate Committee and WiCS community

Star of the Month | Royal Bank of Canada

June & July 2022

- Awarded **2 consecutive Star of the Month** award in June & July for best performing developer and scrum master

ACADEMIC PROGRAMS

Quantum Cryptography School for Young Students (QCSYS)

August 2019

Experimented with cutting-edge quantum technology and gained profound knowledge in quantum key distribution, quantum algorithms, & quantum circuits by engaging in discussions with educators.

PROFESSIONAL EXPERIENCE

Software Developer & Scrum Master | Royal Bank of Canada

May – August 2022

- Programmed **40+** front-end UI components for pre-authorized contributions and post-dated transactions feature using **Angular, HTML, SCSS, TypeScript, NgRx/RxJS, Redux**, and used **Git & GitHub** for version and revision control
- Engineered **50+** UI unit tests and integration tests for pre-authorized contribution and post-dated transaction feature using **Angular, Jest & Cypress**
- Developed, tested and built **10+** API endpoints for post-dated transaction feature using **Wiremock** library, **Java**, and **Postman**
- Resolved **4+** escaped production defects by analyzing logical errors, refactoring code components and formulating over **30+** unit and integration tests
- Managed **60+** issues using **Kanban, Jira**, and **Confluence**; streamlined daily stand-ups to under 10 minutes and conducted retrospective & refinement sessions as a **Scrum Master** using **Agile & Scrum** principles for over 3 months

Software Engineer | Larsen & Toubro Infotech Limited

May – August 2021

- Architected a scalable SaaS-based software solution design for **multi-language internationalization support** with a global 3-member team by analyzing business requirements and current platform architecture for **Unitrax**
- Programmed front-end localization support for French using **Angular, HTML, SCSS, TypeScript & NGX Translate APIs** for **120+** application screens
- Developed back-end internationalization API functionalities using **Java, Python** and **Spring Boot** and automated translation fetching with **SQL** for **60+** screens
- Performed unit and integration testing to resolve defects and documented internationalization process with business and technical overviews

LEADERSHIP EXPERIENCE

Chair | Women in Computer Science (WiCS)

August 2022 – Present & January – April 2022

- Publicly represented WiCS, chaired all meetings and liaised between 5+ organizations to execute events for over 60+ women in technology.
- Conceptualized new initiatives for WiCS blogs, educational online series, and volunteering opportunities to increase student engagement with WiCS by 50%+
- Strategized financial plans for 10+ events and directed a 9-member team to execute 10+ events to help 80+ students prepare for successful career paths

Director of Publicity | Women in Computer Science (WiCS)

September – December 2021

- Accelerated event-marketing, boosted publicity by 60% and increased student-engagement with WiCS by 40% by designing and creating promotional material, posters, social media stories and masterminding collaboration strategies

PROJECTS

ScheduLens | Best Connectivity Hack by HRT @ Technova 2022

August 2022

- ScheduLens is a web application for high-school and undergraduate students to connect by discovering common classes together
- Programmed & designed the front-end with **React, HTML, SCSS, JavaScript, JSX, Figma, & Font Awesome**
- Implemented login authentication features using **Firebase Authentication** & architected back-end database collection & connectivity using **Firestore**
- Awarded **2nd place for Best Connectivity Hack by HRT** at **Technova Hackathon 2022** with over **100+** project likes.