Priyadarshini Saha

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Technical Skills

Languages: Python, Java, C/C++, C#, HTML/CSS, JavaScript, TypeScript, PHP, R, Kotlin, Bash, MATLAB
Technologies/Frameworks: Angular, React, Flask, SpringBoot, Express.js, Node.js, MySQL, Firebase, PyTorch, Tensorflow
Developer Tools: Git/GitHub, VS Code, Eclipse, Vim, Confluence, Jira, Figma, Canva, Power BI

Education

University of Waterloo   **September 2020 − April 2025**
Bachelor of Computer Science & AI Specialization, Co-op   *Waterloo, Ontario*
- **Relevant Coursework:** Artificial Intelligence (**PyTorch**), Machine Learning (**PyTorch**), Computer Vision (**Python**), Computational Neuroscience (**Python**), Database Management(**SQL**), Software Application Development (**Kotlin**), Operating Systems (**C**), Object-Oriented Programming (**C++**), Numerical Computation (**Python**), Computer Architecture (**C++**)

Professional Experience

Manulife   **May − August 2024**
Software Developer   *Toronto, ON*
- Configured **5+** privacy compliance data settings on OneTrust platform using **Python** scripts and generated **5+Power BI** data reports to analyze business capabilities for enhanced organizational decision-making.

Toronto Dominion Bank - UGO Solutions Inc.   **September − December 2023**
Full Stack Developer   *Toronto, ON*
- Developed a backend service using **Express.js**, **Node.js** & **NPM pass-kit generator** to dynamically generate Apple passes for UGO Wallet in **Swift** & **Angular** to increase user adoption by **30%** and transition **100+** e-gift cards.
- Implemented localization for **50+** components with **Angular & NGX Translate** and integrated **Selenium, Cypress & Cucumber** to boost test coverage by **20%** and optimize user experience by **10%** across UGO and Cineplex websites.

Royal Bank of Canada   **January 2023 − April 2023**
Software Developer   *Toronto, ON*
- Revamped online-banking web and mobile pre-enrollment views using **Angular**, and designed **10+** product maps for credit card products for **10 million clients** under project Emerald for HSBC Canada acquisition.
- Programmed **10+** REST APIs in **Java** & **SpringBoot**, devised **10+** e2e and integration tests for APIs using **JUnit** & **Postman**, and built **5+** **Angular** UI components for RBC online-banking Post-Dated & Recurring transaction feature.

Royal Bank of Canada   **May 2022 − August 2022**
Software Developer   *Toronto, ON*
- Developed and tested **10+** API endpoints using **Java & SpringBoot**, programmed **20+** **Angular & RxJS** UI components and built **30+** **Jest & Cypress** unit and integration tests for RBC online-banking Pre-Authorized Contributions feature.
- Orchestrated daily agile stand-ups and optimized retrospective and refinement sessions as Scrum Master, boosting team efficiency by **20%** and securing **Star of the Month** accolades in June & July 2022.

Larsen & Toubro Infotech   **May 2021 − August 2021**
Software Developer   *Mississauga, ON*
- Architected a scalable SaaS-based internationalization and localization solution for Unitrax by developing multi-language front-end support for **120+** UI components using **Angular & NGXTranslate**.
- Implemented REST APIs using **Java & SpringBoot** for back-end multi-language support for automating dynamic translation fetching with **SQL** for **60+** screens.

Projects

⭘ **Chef's Prep** | *Flask, MySQL, React*   **August 2023**
- Created a recipe management web application using **React**, programmed over **30+** REST APIs and **5+** data scraping models in **Python Flask**; implemented **10+** database relations using **MySQL** in a 5-member team.

⭘ **AI Chatbot** | *Python, PyTorch, Natural Language Processing, MySQL, HTML, CSS, JavaScript*   **December 2022**
- Developed an AI Chatbot prototype for **iLantus** using ML and NLP concepts with **Pytorch** and **NLTK** with database connectivity for storing conversation history in **MySQL**; created front-end using **HTML, CSS & JavaScript**

Leadership Experience

Director of Finance – Women in Computer Science   **May 2023 − August 2023**
Chair – Women in Computer Science   **August 2022 − December 2022 & January 2022 − April 2022**
Director of Publicity – Women in Computer Science   **September 2021 − December 2021**