

Laksh Agarwal

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C/C++, SQL, Dart, Haskell

Technologies: React, Flutter, Selenium, MS SQL, SQLite, HTML, CSS, Azure, Figma

Developer Tools: Git, VS Code, IntelliJ, Android Studio, Docker, Jira

EXPERIENCE

Co-founder and CEO

Sep 2023 – Present

Ednius.com

Vancouver, BC

- Building Ednius, an AI-powered grading tool that swiftly evaluates quizzes, exams, and assignments, offering detailed, personalized feedback for student learning in addition to grades. Unlike manual grading's lengthy process, Ednius can deliver results and insights within minutes, facilitating live learning opportunities by significantly reducing feedback time, enhancing the educational experience by combining speed, accuracy, and personalized learning support.
- Improving learning outcomes for students in Higher Education and Certification programs while making teaching and learning more efficient and accessible.

Research Assistant

Sep 2021 – Present

OPA Lab, Simon Fraser University

Burnaby, BC

- Collaborated with a team of 5 researchers to identify knowledge gaps and develop 6 comprehensive research plans, contributing to the publication of 4 research papers in high-impact academic journals.
- Aided in the design and implementation of 10+ experimental studies across various cutting-edge research projects, applying rigorous scientific methodologies and significantly improving data accuracy.

Artificial Intelligence Developer (Co-op)

Sep 2023 – Dec 2023

AI Research Lab, Simon Fraser University

Burnaby, BC

- Built AI systems to study and address unique challenges in the online review space, employing cutting-edge techniques and advanced machine learning algorithms.

Software Developer (Co-op)

May 2022 – Dec 2022

Thrive Health Inc.

Vancouver, BC

- Contributed to the design, implementation, and testing of 10+ new features for web-based healthcare applications using TypeScript, resulting in a 20% improvement in user experience and functionality.
- Developed and maintained a suite of 35+ automated regression tests using Selenium and xRay, improving test efficiency by 50% and reliability by 30%.
- Actively assisted in the hiring and onboarding of 3 new developers by conducting interviews, evaluating technical assessments, and composing detailed onboarding documentation, reducing their ramp-up time by 30%.

Co-founder and CTO

Mar 2020 – Apr 2022

Dealway Retail Solutions

Bangalore, India

PUBLICATIONS

Catch Me If You Can: Identifying Fraudulent Physician Reviews with Large Language Models Using Generative Pre-Trained Transformers

<https://doi.org/10.48550/arXiv.2304.09948>

In-review, 2024

The Illusion of Trust and the Paradox of Disclosure: How Fake Online Reviews of Physicians Manipulate Patient Choices and Exploit Privacy Boundaries

<https://dx.doi.org/10.2139/ssrn.4734826>

In-review, 2024

EDUCATION

Simon Fraser University, Burnaby, BC

August 2024

B.Sc. in Computing Science, Certificate in Innovation and Entrepreneurship

GPA: 3.84