

## AARISH LAKHANI

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## Education

### University of Western Ontario

London, Ontario

*Bachelor of Engineering Science in Software Engineering with Co-op*

September 2020 – June 2025

**Highlights:** Dean's List Scholar; Western Developers Society

**Relevant Coursework:** Data Structure and Algorithm for Object-Oriented Design, Software Design, Web Technology, Database Management Systems, Software Requirements & Analysis, Artificial Intelligence | & ||, Information Security, Cloud Computing and Introduction to Machine Learning.

## Skills

**Languages:** Java, Python, JavaScript, C++, SQL, C#, HTML and CSS

**Framework:** React.js, Angular.js, Node.js and Express.js,

**Tools/ Technologies:** Git, AWS, Docker, Kubernetes, Jira/ Confluence, Jenkins, MongoDB, GCP, Cursor AI, Figma and Unity

## Professional Experience

### Schulich School of Medicine & Dentistry

London, Ontario

*Software Developer (Part-time)*

October 2024 – April 2025

- **Spearheaded the redesign and redevelopment** of the Schulich School website, creating 10+ responsive web pages from Figma prototypes in Cascade CMS, ensuring consistent functionality and usability across thousands of users.
- Enhanced and customized 15+ CMS components using HTML, CSS, and JavaScript, resolving 30% of design discrepancies and improving workflow efficiency.
- Collaborated with a team of 4 to ensure the accurate deployment of over 20 web pages, **maintaining 100% adherence to design standards and deadlines.**

### Independent Electricity System Operator (IESO) – Design and Development Team (Co-op)

Mississauga, Ontario

*Software Engineering Intern*

January 2024 – September 2024

- **Developed 50+ Distribution System Operator (DSO) Displays** using Java and OOP principles for dispatch scheduling and optimization, improving **real-time data visibility** for control room operators.
- Performed QA testing for 100+ system locking logic files using XML files and MySQL, conducting data validation tests that increased the accuracy of data transfers in the SMDP ETL System to Commercial Reconciliation System (CRS) by 30%.
- **Automated 10+ routine processes** with Python, VBA, and Jira, streamlining workflows and improving operational efficiency across multiple departments by 20%.

### Independent Electricity System Operator (IESO)– Market Ops and Forecast Systems Team (Co-op)

Mississauga, Ontario

*Software Engineering Intern*

May 2023 – December 2023

- Led the design of 25+ system diagrams monthly using PED500 Picture Editor and WS 500 HMI Client, improving situational awareness and compliance with NERC IRO standards by expanding grid modeling to 2 neighboring grids (NYISO and PJM).
- Collaborated with Network and Performance Applications Teams to troubleshoot 350+ SMP4 device and network telemetry tickets, resulting in improved grid accuracy while **maintaining a 95%+ performance rating** for the duration of my internship.
- Maintained system database, ensuring data integrity through scripting (AWK, Python) and MySQL updates.
- Managed monthly Hydro One-IESO ICCP testing, validating 100+ communication protocols and ensuring reliable data exchange between control centers.

### Western Science Department - Client Website Team (Part-time)

London, Ontario

*Software Developer*

September 2022 – April 2023

- Balanced time between **front-end development and web analytics** on Western Science's newly launched Financial Wellness Lab website, released publicly to millions of users world-wide (HTML, CSS, JavaScript, Cascade CMS, Google Analytics, Search Console, Data Studio).
- Designed UI interface for the faculty directory website listing over 700 members (Figma).
- Managed collaboration between teams for the design of the faculty directory through writing user stories and project management tools- continuously soliciting feedback from internal and external stakeholders (Asana).

## Projects

**Homeys:** a mobile app for managing logistical, financial, and social dynamics of shared living

[GitHub Link](#)

*Tech Stack: React Native, CSS, Express JS and Docker*

- Developed React Native frontend components, including chore management screens, chore assignment tools, inventory management and a home screen to track all the features and app shortcuts.
- Implemented backend APIs using ExpressJS for core features, such as chore tracking, enabling streamlined household task management with real-time updates.