

IBRAHIM SALMAN

Computing Science Student | Front-End and UX Engineering

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EDUCATION

Thompson Rivers University - Kamloops, BC | Jan 2025 - Dec 2028

Bachelor of Computing Science | Coursework: Data Structures and Algorithms, OOP, Databases, Software Engineering, Web and Mobile Development

TECHNICAL SKILLS

Front-End and UX: HTML, CSS, JavaScript, React, TypeScript, Bootstrap, jQuery, responsive interfaces, UI/UX design, user flows, accessibility

Programming and Mobile: Java, Python, C++, SQL, Android development

Backend and Tools: FastAPI, PostgreSQL, Git, GitHub, debugging, collaborative development

SELECTED PROJECTS

KVA Responsive Multi-Page Website | *HTML, CSS, JavaScript*

- Designed and developed a responsive multi-page website with mobile navigation, modals, scroll-triggered effects, and a dynamic sponsor carousel using vanilla JavaScript.
- Structured user-facing content across youth and adult programs, galleries, contact pages, and organization information, optimizing layouts and interaction patterns for desktop and mobile screens.

MedReminder Android Application | *Java, Android, Git*

- Developed user-facing medication management features, including refill reminders, medication screens, emergency-contact sharing, and barcode-oriented workflows within a three-person team.
- Integrated work through feature branches and pull requests, collaborating on a consistent experience across connected mobile workflows.

Retail Inventory and Sales Management System | *React, TypeScript, FastAPI, PostgreSQL* | **In Progress**

- Designing a responsive interface for inventory, orders, payments, returns, exchanges, customer management, and business analytics.
- Translating retail operations into clear user flows, dashboards, forms, and role-based interfaces while integrating the front end with a FastAPI and PostgreSQL backend.

EXPERIENCE

Software Development Intern - Erpsoft.pk | Jun 2022 - Sep 2022

- Built and refined responsive front-end components using HTML, CSS, JavaScript, jQuery, and Bootstrap for real-world software development projects.
- Collaborated with developers on interface implementation, debugging, and practical coding tasks in a professional development environment.

Undergraduate Researcher - Thompson Rivers University | May 2026 - Aug 2026

- Developed a GNN and reinforcement learning routing framework in Python for resilient healthcare wireless sensor networks, achieving approximately 268 ms average latency and 100% packet delivery in simulation.
- Evaluated GraphSAGE and routing approaches with NetworkX, NumPy, Pandas, and Matplotlib; authored research accepted for AHTBE 2026 publication.