

# SRIJAN RAVISANKAR

807-620-0780

srijanvr@gmail.com

srijanravisankar

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Thunder Bay, ON

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, Kotlin, PostgreSQL, HTML/CSS, MongoDB, SQLite

**Libraries/Frameworks:** ReactJS, React Native, NodeJS, FastAPI, Flask, Ktor, TailwindCSS, MUI

**Developer Tools:** Google Cloud, Azure, Kubernetes, Docker, Git, Linux, Postman, Supabase, Gradle

## EDUCATION

### Lakehead University

Thunder Bay, ON

Honors Bachelor of Science in Computer Science | CGPA: 86.8%

Expected Graduation: June 2027

- **Relevant Coursework:** Software Engineering, Relational Databases, Data Structures, Cloud Computing, Computer Security, Cryptography, Computer Networks, Operating Systems, Data Science

## TECHNICAL EXPERIENCE

### Odsseyelp | [Live Demo](#) | [Source Code](#)

November 2025 – December 2025

Next.js, TypeScript, Tailwind, Shadcn, Supabase, PostgreSQL, Gemini

- Integrated Google Gemini and Yelp Fusion APIs to transform natural language into a Travel Engine, and reduced potential API overhead by 60% through the implementation of a 300ms debounced search
- Leveraged WebSockets to reduce data sync lag from several seconds to 100ms, enabling a zero-latency collaborative group chats with secure invite systems, community voting, and interactive comments

### Heyday | [Live Demo](#) | [Source Code](#)

December 2025

React Native (Expo), TypeScript, WatermelonDB, SQLite, CSS

- Engineered a Universal Cross-Platform Productivity Application using React Native and TypeScript, implementing a unified codebase for 3 different OS with dynamic database adapters
- Implemented a platform-agnostic build pipeline dynamically swap database adapters and engineered complex CRUD operations for custom routines and interval with offline persistence and 0-latency UI

### Wallet | [Frontend Code](#) | [Backend Code](#)

October 2025 - November 2025

Ktor, Kotlin, Gradle, PostgreSQL, JDBC, BCrypt, Docker, Concurrency

- Architected a high-performance Kotlin/Ktor API using custom JDBC persistence and optimized PostgreSQL schemas to scale complex financial operations
- Engineered a secure, Dockerized backend utilizing thread-safe concurrency (ReentrantLocks) and functional patterns to ensure high-performance data integrity

### Memento | [Release](#) | [Source Code](#)

May 2025 – July 2025

JavaScript, React.js, Python, FastAPI, SQLAlchemy, SQLite

- Built a modular full-stack flashcard app using React.js and FastAPI with FSRS-based spaced repetition
- Ensured robust AI flashcard generation and data handling utilizing open source LLMs, and released installable binaries through GitHub Releases for public usage ensuring smooth deployment process

## HACKATHONS & COMPETITIONS

### YuKeSong2025 Hackthon - Award of Excellence | [Award](#)

November 2025

- Ranked as a top participant for successfully architecting and deploying a functional AI-driven study tool
- Recognized for meeting 100% of technical submission requirements, including stable API integration

## CERTIFICATIONS

### Boot.dev Certifications | [Docker Certification](#) | [Linux Certification](#) | [Git Certification](#)

### GCP Skills Badges | [Infrastructure](#) | [Networking and Security](#) | [Cloud Fundamentals](#)