

# SRIJAN RAVISANKAR

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## EDUCATION

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### Lakehead University

Thunder Bay, ON

*Honors Bachelor of Science in Computer Science*

*Expected Graduation: June 2027*

- **CGPA:** 85.000
- **Relevant Coursework:** Software Engineering, Relational Databases, Data Structures, Cloud Computing, Computer Networks, Computer Security, Operating Systems, Data Science

## PROJECTS

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### 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 and AI flashcard generation via OpenRouter
- Ensured robust data handling (Pydantic, SQLAlchemy, SQLite) and released installable binaries through GitHub Releases for public usage

### Ciphersonic | [Source Code](#)

February 2025 – April 2025

*Python, Flask, GWave, PyCryptodome*

- Built an end-to-end encrypted communication app using GWave sound transmission, Flask and HTML/CSS for seamless, internet-independent messaging
- Implemented RSA/AES encryption with PyCryptodome for secure key exchange and real-time audio data protection

### Minecraft Study | [Source Code](#)

October 2024 – December 2024

*Python, Jupyter Notebook, tidyverse, ggplot2, tidymodels*

- Analyzed Minecraft player behavior across experience, age, and gender using Python, tidyverse, and ggplot2, revealing engagement and participation trends
- Created interactive Jupyter Notebook reports with clear visualizations to communicate insights and guide data-driven recommendations

## EXPERIENCE

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### Global Ambassador

October 2025 – Present

*Lakehead University*

*Thunder Bay, ON*

- Appointed Global Ambassador at Lakehead University, promoting diversity and student engagement through marketing, outreach, and cross-cultural initiatives.

## CERTIFICATIONS

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### Boot.dev Certifications

*Linux Certification | [Certificate](#)*

*Git Certification | [Certificate](#)*

*Docker Certification | [Certificate](#)*

*Kubernetes Certification | [Certificate](#)*

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, Golang, PostgreSQL, HTML/CSS, MongoDB

**Developer Tools:** Azure, Kubernetes, Docker, Git, Linux, Postman

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