

---

# Raghunath Prabhakar

Double degree in Applied Computer Science & Economics. Experienced in Full-stack web development.

**Portfolio Website:** <https://raghunathprabhakar.com/>

**LinkedIn:** <https://www.linkedin.com/in/raghunath-prabhakar/>

**Contact:** [raghunathprabhakar@gmail.com](mailto:raghunathprabhakar@gmail.com)

## SKILLS

Frontend	Backend	Database	Source Control	Frameworks	UI/UX/Misc.
HTML/XHTML	JavaScript	MongoDB	Git (Git Flow)	React/Next.js	Prototyping
CSS/SASS	Node.js/ Express	PostgreSQL/ MySQL	Agile/Scrum	React Native	Canva/AdobeXD
TailwindCSS	Java	Firebase	Docker	Google Cloud (GCP)	UML

## EXPERIENCE

### Capstone Project, Manitoba Conservatory of Music & Arts (Winnipeg, MB) - Lead Programmer

SEPTEMBER 2022 - PRESENT

- Created a full-stack CRUD web app for registration and scheduling.
- Designed a new dashboard integrated with Google Cloud Platform.
- Increased employee efficiency by auto-tracking schedule conflicts.
- Cut costs by digitizing paper attendance sheets; set up the server to automatically generate and export sheets to the admin's Google Drive.
- Led weekly standups and managed the team; developed programming standards and observed adherence to standards.
- Wrote system documentation– Systems Study Report, Detailed Design Report, User Manual, and Technical Manual.

### Wavelength Digital (Calgary, AB) - Full-stack App Developer

NOVEMBER 2021 - OCTOBER 2022

**Website:** <https://wavelengthnews.com/>

**App Store:** <https://apps.apple.com/in/app/wavelength-news/id1644950368/>

News application startup founded by UCalgary graduates. Wavelength was selected for UCalgary's Launchpad Program (2021) and was the recipient of University funding.

- Designed stateful Sign in/Sign up pages with React Native.
- Fixed vulnerability against CSRF attacks by using JWT authentication with refresh/access token patterns.
- Increased protection against XSS attacks by using HTTPS cookies instead of LocalStorage.
- Built app prototypes using Canva and Adobe XD.
- Conducted user surveys to better understand functional requirements.

---

## PROJECTS

### **Student Net** - *Open Source*

SEPTEMBER 2021 - FEBRUARY 2022

**Repo:** <https://github.com/UWCodeForce/student-net/>

**More Info:** <https://raghunathprabhakar.com/projects/student-net/>

Active contributor towards a 'Student Net' for the students of University of Winnipeg. A one-stop solution for student needs such as info about housing, courses, and job opportunities.

### **Multiplayer Poker Game** - *Personal*

SEPTEMBER 2021 - FEBRUARY 2022

**Repo:** <https://github.com/UWCodeForce/student-net/>

**App:** <https://raghu-poker-game.netlify.app/>

**More Info:** <https://raghunathprabhakar.com/projects/poker/>

A Multiplayer Poker Game that uses WebSockets.

- Implemented automatic matchmaking using WebSockets.
- Built Sign in/Sign up pages with stateful form validation.
- Implemented user authentication using a REST API; configured API to send confirmation emails to new users.

## VOLUNTEER WORK

### **UW Code Force** - *Project Assistant*

SEPTEMBER 2021 - PRESENT

**Website:** <https://uwcodeforce.ca/>

Active member and Project Assistant for an open-source software development team run by students and for students. Providing students with free and valuable work experience to help bridge the gap between education and the workforce.

### **Save The Children, Plan Canada** - *Fundraiser*

OCTOBER 2021 - FEBRUARY 2022

## EDUCATION

**University of Winnipeg** - *3 Year B.Sc. Applied Computer Science (2023)*

**University of Winnipeg** - *3 Year B.A. Economics (2023)*