

# Rahul Rakesh

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## SUMMARY

Motivated aspiring Software Engineer with strong proficiency in Java, Python, and C. Skilled in developing and optimizing code for efficiency and experienced in designing and implementing applications through personal projects and academic assignments, including web applications and algorithms. Known for approaching challenges with curiosity and perseverance, aiming to design innovative solutions. Eager to contribute technical skills, creativity, and a growth mindset to a collaborative engineering team focused on impactful software solutions.

### Technical Skills

- Languages: Java, Python, JavaScript, C, SQL, HTML/CSS
- Frameworks/Tools: React, Node.js/Express, Django, SQLite, PostgreSQL, MongoDB, Git, Docker
- Other: Agile/Scrum, Data Structures & Algorithms, Testing & Debugging.
- Soft Skills: Analytical thinking, problem-solving, adaptability, and leadership

## PROJECTS

### Calendarly – Full Stack Calendar App | *React, Node.js/Express, SQLite*

- Built a React calendar platform with Node.js/Express backend and SQLite database, enabling AI-powered event extraction from PDFs/text to track deadlines.
- Streamlined event entry with a chat-style React interface and daily usage limits, improving user productivity.
- Deployed production-ready system on Vercel (frontend) and Render (backend), tested with 30+ student users.

### WebWall – Cross-Browser Productivity Extension | *JavaScript, Manifest V3, Chrome APIs*

- Developed a Manifest V3 extension for Chrome, Edge, and Firefox in JavaScript, blocking distractions like Instagram Reels and YouTube Shorts.
- Improved user focus with customizable schedules and focus sessions using Chrome Storage APIs and service workers.
- Built responsive UI with HTML/CSS/JS and ensured cross-browser sync + local-first storage for privacy.

### VitaLink – AI-Powered Healthcare Network | *React Native, Django, Gemini AI, PostgreSQL, MongoDB*

- Created a healthcare platform using React Native frontend and Django REST backend, reducing ER wait times with live hospital data.
- Integrated Gemini AI for triage, assigning urgency scores and routing patients via PostgreSQL/MongoDB.
- Built emergency voice assistant with speech recognition, TTS, and Twilio, enabling hands-free EMS dispatch.

## LEADERSHIP / WORK EXPERIENCE

### Camp Leader

*Merciful Redeemer Parish*

Mississauga, Ontario/  
July 2023– August 2023

- Organized and led educational workshops on conservation and sustainable living.
- Ensured smooth operations by supervising staff, maintaining facilities, and resolving behavioral issues effectively.
- Fostered a supportive environment by mentoring team members and encouraging collaboration

### Ultimate Frisbee Captian / Coach

Mississauga, Ontario/  
June 2022– August 2025

- Led a competitive team by organizing practices, developing strategies, and coordinating with players and winning 2 trophies
- Ensured smooth operations by supervising staff, maintaining facilities, and resolving behavioral issues effectively.
- Fostered a supportive environment by mentoring team members and encouraging collaboration

## EDUCATION & OTHER

UNIVERSITY of Western Ontario(B.S.C Computer Science) (GPA: 3.3/4)

2023-2027(Expected)

LANGUAGES: English(Fluent), Malayalam(Fluent), Tamil(Proficient), and Hindi(Proficient)

INTERESTS: Soccer, Ultimate Frisbee, and Drums