

Isha Shenoy

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github.com/ishashenoy

Portfolio: ishashenoy.vercel.app

Education

University of Waterloo | BAsC in Management Engineering

Sept 2025 - May 2030

Projects

MyMediaTracker – React, React Native, Node.js, Express, MongoDB August 2025

- Developed and scaled a full-stack web and mobile application to 800+ active users using React, React Native, and Node.js/Express backend.
- Optimized performance and security by implementing caching, rate limiting, JWT authentication, and Google reCAPTCHA, ensuring reliability and protection against automated attacks.

Experience

Software Team Member – FRC Team 10279 July 2024 – March 2025

- Programmed and debugged autonomous and teleoperated robot functions in Java, improving robot reliability and contributing to a win at the Humber Polytechnic event.
- Collaborated with cross-functional subteams to integrate code with mechanical designs, helping the team qualify for the Ontario Provincials.

Hardware Team Member – FRC Team 6866 Sept 2023 – March 2024

- Designed and prototyped robot components in Onshape CAD, contributing to successful robot assembly and competition readiness.

Center Assistant – Kumon – Stouffville April 2023 – June 2025

- Graded 60+ worksheets per shift, ensuring accuracy and timely student feedback.
- Managed front-desk operations and parent communications, maintaining smooth daily workflow.

Skills

- **Languages:** Python, Java, JavaScript, HTML, CSS.
- **Frameworks:** React, React Native, Next.js, Express, Tkinter, Swing, WPILib, Tailwind, Bootstrap.
- **Databases & Tools:** NoSQL (MongoDB), Git Version Control, GitHub, CI/CD, Excel.
- **Concepts:** Full-Stack Development, Frontend, Backend, API Integration, Authentication (JWT), Performance Optimization, Caching, Security (reCAPTCHA, Rate Limiting), Responsive Design.