

Aamirali Tinwala

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[Portfolio](#) | [LinkedIn](#) | [Github](#)

OBJECTIVE

Full-stack developer with experience in React, Next.js, and MATLAB seeking a Software Engineering internship. Interested in building scalable tools, AI-integrated systems, and high-performance web applications within collaborative engineering teams

EDUCATION

Cameron Heights Collegiate Institute — Kitchener, ON
OSSD Candidate; IB Coursework June 2027 (Expected)

EXPERIENCE

Tidal Tasks AI — Remote / Kitchener, ON
Software Engineer (Internal Tools) Aug 2024 – Present

- Develop internal task management tools using React and Next.js
- Build responsive front-end systems with TypeScript and Tailwind CSS
- Integrate Firebase backend services for authentication and data storage
- Collaborate with cross-functional team members to improve workflow efficiency
- Present technical features and system architecture to stakeholders

University of Waterloo — Kitchener, ON
Research Assistant & Data Analyst Apr 2024 – Present

- Develop MATLAB scripts to analyze soil endurance datasets
- Process sensor data to identify material failure thresholds
- Assist in automating documentation workflows to improve reporting accuracy
- Collaborate with graduate researchers to interpret experimental results

SKILLS

Programming: JavaScript; TypeScript; C++; MATLAB; HTML; CSS

Frameworks/Tools: React; Next.js; Node.js; Firebase; Tailwind CSS; Git; Google Cloud

Hardware: Arduino; Raspberry Pi; IOT systems design; CAD; Circuits

References Available Upon Request