

# Vatsalya Rastogi

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## EDUCATION

### University of Windsor

*Bachelor of Computer Science (Honours)*

Windsor, ON

Sep 2023 – Aug 2027

- Major Average: **92%**
- Specialization in Artificial Intelligence & Minor in Mathematics

## EXPERIENCE

### Intern

*Glendor Inc.*

Sep 2025 – Present

*Virtual*

- Analyzed Federated Learning methods and models in AI/Medicine/Privacy sectors.
- Developed automatic tools for PHI deidentification in medical images and data.
- Contributed to scalable solutions enabling medical research data sharing while protecting patient privacy.

### Front-End Developer

*Eztrackr Inc.*

Jul 2025 – Sep 2025

*Mississauga, ON*

- Audited the front-end codebase and established a consistent and scalable design system.
- Built a reusable React component library with Tailwind CSS and Shadcn.
- Integrated the system into production, improving UI consistency and developer speed.

### Teaching Assistant

*University of Windsor*

Sep 2024 – Present

*Windsor, ON*

- *Courses: Algorithms and Programming II, Key Concepts in CS*
- Mentored 100+ students during labs and office hours, debugging and guiding projects.
- Evaluated assignments and exams with emphasis on fairness and academic integrity.

## PROJECTS

**Reactutor** | *TypeScript, React, Tailwind, Firebase, GroqAI, SandpackAPI, Docker, AWS*

Feb 2025 – Present

GitHub | Live Demo

- Built an interactive learning platform with live in-browser coding via SandpackAPI.
- Integrated GroqAI API for real-time hints and explanations.
- Containerized with Docker and deployed on AWS S3.

**Personal Portfolio Website** | *React, TypeScript, Vite, Tailwind, Framer Motion, Three.js*

Jan 2025 – Present

GitHub | Live Demo

- Developed a responsive portfolio showcasing projects, skills, and achievements.
- Enhanced user experience with advanced animations using Three.js and Framer Motion.

## HACKATHONS

### WinHacks 2025

*Team Lead & Full Stack Developer – University Hackathon*

Windsor, ON

*Feb 2025*

- Led 4-person team to develop Reactutor under tight deadlines.
- Gained practical experience prioritizing features, debugging, and presenting to judges.

## TECHNICAL SKILLS

**Languages:** Python, C, Java, JavaScript, TypeScript

**Web/Frameworks:** React, Node.js, Express.js, Tailwind, HTML/CSS, Three.js, Framer Motion, Figma

**Cloud/DevOps:** AWS (S3, EC2, Lambda - Learning), Firebase, Docker, Docker Swarm, GitHub Actions

**Databases:** MongoDB, MySQL, NoSQL, MongoDB

**Other:** CI/CD Pipelines, Agile, REST APIs, Websockets

**Certifications:** CS50's Introduction to Programming with Python (Harvard)