

# Aaron Thakoordeen

aaronthakoordeen@gmail.com | [aaron.tech](https://aaron.tech) | [github.com/AaronTi30](https://github.com/AaronTi30)

## Skills

---

**Languages:** Javascript, TypeScript, Python, C++, Java, HTML, CSS, SQL, PHP

**Tools:** Git, Docker, Bash, AWS, Kubernetes, Docker, Flask, MongoDB, Firebase, ROS 2

**Frameworks & Libraries:** React, Framer Motion, Next.js, Node.js, Tailwind, Prisma, Tensorflow, Keras, NumPy, Pandas, OpenCV

## Experience

---

**York University Robotics Society**, Rover Software Team – Toronto, CA 2022 – Present

- Collaborating amongst **20+ team members** across various disciplines to build a fully functional rover capable of performing tasks under given mission constraints
- Researched and applied **UI/UX** design principles in order to help facilitate a complete redesign of the rover GUI using Figma, and implemented using **React.js**
- Developed front end component that pings the ip address of the rover and displays ping time on the GUI Toolbar
- Implemented and transformed GUI sliders into PS4 controller commands for intuitive manipulation of a 3D sphere acting as rover arm.
- Maintained slider functionality alongside controller commands for versatility and fallback option

**FINET**, Software Developer – Waterloo, CA 2024 – Present

- Spearheaded the design and development of a full-stack web application aimed at connecting post-secondary students with industry professionals using **React, Next.js, MongoDB, and Firebase** technologies
- Led a team of 3 developers through the **Agile** development lifecycle, facilitating weekly meetings and assuming the role of primary code reviewer

## Projects

---

**AI Cancer Diagnostics** | Tensorflow, Python, Flask, Kubernetes [github.com/aaronti30/ai-pathology](https://github.com/aaronti30/ai-pathology)

- End-to-end machine learning project utilizing popular machine learning architecture in order to accurately classify cancerous breast tissue
- Applied machine learning principles including transfer learning and stacking in order to optimize model training, resulting in elevated ROC-AUC scores

**Object Oracle** | Tensorflow, Python, OpenCV [github.com/aaronti30/object-detection](https://github.com/aaronti30/object-detection)

- Utilized pre-trained machine learning models to proficiently predict and label objects within video frames
- Implemented in diverse scenarios such as autonomous driving, video security, and animal detection, demonstrating versatile applicability and robust performance

**Socratic Sessions** | Javascript, React, Node.js, MongoDB [github.com/aaronti30/blog-app](https://github.com/aaronti30/blog-app)

- Developed a comprehensive **full-stack** blog web application, incorporating essential features including user login authentication, image uploading, live comments, and article creation
- Leveraged **Firebase** for seamless image uploader functionality and **MongoDB** as the backend database to efficiently manage comments, posts, and views

## Education

---

**York University ( Transfer )** – Computer Science

Expected - 2026