

Aaron Thakoordeen

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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

- 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

- 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

- 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 uploading functionality and **MongoDB** as the backend database to efficiently manage comments, posts, and views

Education

York University (Transfer) – Computer Science

Expected - 2026