

# Shams Haroon

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## EDUCATION

### Ontario Tech University

Bachelor of Science in Computer Science | 4.24/4.3 GPA

Expected Graduation – May 2027

Oshawa, ON

## EXPERIENCE

### Software Engineer Intern

Shopify

May 2025 – Aug 2025

Toronto, ON

- Developed and optimized scalable, performant, and secure full-stack applications using Ruby on Rails for backend services and React with TypeScript for frontend development.
- Designed and improved GraphQL APIs, enhancing data retrieval efficiency and reducing response times for key commerce functionalities.
- Implemented scalable and composable software solutions, contributing to Shopify's ecosystem and improving platform maintainability.
- Collaborated in an agile team, participating in code reviews, debugging, and performance tuning to ensure high-quality software delivery.

### AI Research Project Assistant

Ontario Tech University

Sept 2024 – Present

Oshawa, ON

- Developed and optimized React TypeScript frontend applications, implementing real-time interfaces for visualizing NLP model outputs and machine translation error analysis.
- Collaborated with 5+ researchers, translating complex NLP data into user-friendly dashboards, improving model evaluation speed.

### Software Developer

Ontario Tech Racing

Sept 2024 – Present

Oshawa, ON

- Collaborated with 10+ engineers to integrate frontend dashboards, enhancing the visibility of critical sensor data and telemetry in real-time for drivers and pit crews.
- Designed and implemented interactive dashboards with React, streamlining vehicle diagnostics and sensor data visualization, reducing troubleshooting time by 30%.

### Software Engineer Fellow

Headstarter AI

July 2024 – Sept 2024

Long Island City, NY

- Engaged in hands-on coding, debugging, and problem-solving, resolving 20+ software issues to deliver high-quality solutions.
- Participated in 20+ mentorship sessions with seasoned professionals, gaining valuable insights and knowledge from industry experts.

## PROJECTS

Trash Tech | Azure, GitHub, Computer Vision, Django, React, ThreeJS, ChakraUI

Feb 2024 – Present

- Developed "Trash Tech," utilizing computer vision and Microsoft Azure achieving a 92% accuracy rate.
- Trained the model using Azure Custom Vision API with a dataset of over 5000+ photos.
- Utilized the model to classify objects in real-time, improving waste management processes by 30%.

Verbal Voyage | Flask, React, Tailwind CSS, LibreTranslateAPI, gTTS, Python

June 2024 – July 2024

- Developed "Verbal Voyage," a full-stack web application enabling translation and text-to-speech conversion.
- Regulated text translation between 50+ languages using LibreTranslateAPI.
- Conducted extensive testing and optimization, achieving a 95% success rate in translation and speech conversion tasks.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, JavaScript, TypeScript, SQL, Ruby

**Relevant Coursework:** Computational Science, Data Structures, Programming Workshop I & II

**Frameworks:** React, Django, Flask, ThreeJS, Framer Motion, Next.js, Node.js, FastAPI, GraphQL, Ruby on Rails

**Developer Tools:** Github, Jira, Slack, Azure, Postman, Figma, AWS