

# FRANCOIS GONOTHI TOURE

Evolving (Robotics Software & AI) Engineer

🏠 Longueuil, QC, Canada 🗣️ English & French

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## SUMMARY

I work at the intersection of Robotics, AI, and Cybersecurity, with a strong focus on innovation and R&D. Driven by a passion for tackling complex challenges in these fields, I am continuously seeking opportunities to push technological boundaries, bridge gaps between disciplines, & create impactful, real-world solutions.

## EDUCATION

<b>Master's in Computer Science, specialization in Electronic Systems (M.Sc.) (2282)</b> University of Quebec at Montreal (UQAM)	Apr. 2024 – Apr. 2026 Montreal, QC, Canada
<b>Bachelor of Science (honours) in Electronics, specialization in Robotics and App</b> Sharda University	Jul. 2019 – Jul. 2022 Greater Noida, UP, India

## SKILLS & INTERESTS

**Soft Skills:** Problem-solving, Analytical & Critical Thinking, Teamwork & Flexibility

**Technical Skills:** Python & C/C++, ROS, SLAM, AI (CV & RL), HPC, Cloud Computing, git/GitHub, Docker & VMs

**Interests & Technologies:** AI, MLOps, DevSecOps, Robotics, Cybersecurity, R&D, Innovation & Entrepreneurship

## EXPERIENCE

<b>DRI EDIA Champion</b> Digital Research Alliance of Canada ( <a href="http://www.alliancecan.ca/en/">www.alliancecan.ca/en/</a> ) <ul style="list-style-type: none"><li>Raising awareness of DRI usage among equity-seeking groups through <a href="http://www.recarn-uqam.org">www.recarn-uqam.org</a></li></ul>	<b>Sep. 2024 - Mar. 2025</b> Montreal, QC, Canada
<b>Graduate Student Researcher</b> McGill-UQAM Research & Innovation Chair in Animal Welfare & AI ( <a href="http://www.well-e.org/en/">www.well-e.org/en/</a> ) <ul style="list-style-type: none"><li>Applying AI (CV &amp; RL) technologies in Autonomous Robotics to improve Animal Welfare.</li></ul>	<b>Apr. 2024 - Present</b> Montreal, QC, Canada
<b>Co-Lead Organizer</b> IndabaX Guinea ( <a href="http://indabaxgn.org">indabaxgn.org</a> ) <ul style="list-style-type: none"><li>Led AI research initiatives, &amp; secured partners &amp; sponsors, &amp; provided technical support for event success.</li></ul>	<b>Sep. 2022 - Mar. 2024</b> Nongo, Ratoma District, Guinea
<b>Google Developer Student Clubs Lead</b> Google ( <a href="https://gdsc.community.dev">gdsc.community.dev</a> ) <ul style="list-style-type: none"><li>Led student (devs) events &amp; used Google technology to foster collaboration &amp; solve community challenges.</li></ul>	<b>Aug. 2021 - Jul. 2022</b> Greater Noida, UP, India

## SPRING & SUMMER SCHOOLS

<b>NASA's Transform to Open Science (TOPS) program</b> Transform research projects into innovative solutions using open science principles	Sep. 2024 - Dec. 2024 Fonds de recherche du Québec
<b>Open Life Science (OLS) - Open Seeds (Cohort 9 - DRI-EDIA track) program</b> Turning research ideas into impactful, community-driven, and sustainable projects.	Sep. 2024 - Jan. 2025 Open Life Science (OLS)
<b>Quebec Scientifique Entrepreneurship (QcSE) program</b> Turn a research project into a marketable and innovative one.	Sep. 2024 - Jan. 2025 Fonds de recherche du Québec
<b>Compute Ontario's 2024 Summer School</b> AI&ML, HPC, RDM, Advanced Research Computing, Data Prep. & Security	Jun. 3 - Jun. 21, 2024 Compute Ontario, Online
<b>Calcul Quebec's 2024 Spring School</b> Parallel Programming (OpenMP, MPI, OpenACC, CUDA)	Mai. 21 - Mai. 24, 2024 Calcul Quebec, Sherbrooke

## TRAININGS & CERTIFICATIONS

• Linux for ROS	• AI for Robotics	• AI Career Essentials	• Software Dev Process
• Python 3 for ROS	• Intro to Computer Vision	• Intro to Cybersecurity	• Algo & DSA in Python
• IoT & Machine Learning	• Intro to Self-driving Cars	• Configuring Linux Servers	• C++ for Programmers

## SCHOLASTIC ASSESSMENTS

<b>IELTS — TRF No. 22GH029821TOUF001A</b> 6.5 Overall Band Score. Speaking: 8.0, Writing: 6.5, Reading: 5.5, Listening: 6.0	2023 British Council, Senegal
<b>Duolingo English Test   DET</b> 135/160 (C1 Proficient on CEFR)   Certificate: <a href="https://certs.duolingo.com/32d06ba8a5715152a0bb8946ad557599">certs.duolingo.com/32d06ba8a5715152a0bb8946ad557599</a>	2022 Duolingo - iBT