

InnovateSTEM 2024 – 2025 Program Overview

#	Program	Skill Level	Duration
1	ROBOTICS - Self driving car - Build kit, Raspberry PI and AI	Beginner to Intermediate <i>Middle School and High School</i>	2 - 3 months 1.5 - 2 hours/week
2	DEFCON24 - Cyber threat and intrusion detection using AI/ML	Intermediate - Advanced <i>High School</i>	3 months 2 hours/weekend
3	Cancer Moonshot - Detect and classify cancer using AI (Computer Vision)	Advanced <i>High School</i>	3 months 2 hours/weekend
4	FRAUD ALERT - Detecting credit card fraud using ML	Intermediate - Advanced <i>High School</i>	3 months 1 hour/week
5	HACKATHON - Half to full day event with cool prizes for winners and attendees.	Multiple levels and subjects (all welcome)	1 full weekend day
6	Techbridge Girls - STEM for BIPOC girls, full curriculum and kits provided	Changemakers (6-8th grade) STEM Events (6 - 8th grade)	Jan - June 2025