

# Nirek Shetty

Passionate Programmer, Team Member, Leader, and Teacher, Driven To Bring The Best I Can To Wherever Life Takes Me.

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## EXPERIENCE

### Satellite Campus , Hackathon Team , Toronto

December 2023 - PRESENT

- Youngest member of a team ranked Top 40 in the world by NASA
- Represented the team in nationwide competitions, demonstrating adaptability by acquiring and implementing diverse skills on short notice.
- Sponsorship and pitching Co - Lead winning an award at my first competition
- Pitched innovative ideas to distinguished judges, industry experts and even the City Councillor of Milton, ON.

### Hackathons Canada 501 (c)(3) Non Profit, Founding Member

JANUARY 2024 - PRESENT

- Proud member and Co-Builder of the Canadian Hackers Website
- Instrumental in the exponential growth of our community, witnessing an increase from a few individuals to nearly 1,000 in a matter of months
- Acquired substantial real-world experience in pitching innovative ideas to industry leaders, including successful engagements with companies like Microsoft and HCB. Constantly seeking new avenues to innovate and propel our organization to new heights
- Co-Led a team and orchestrated collaboration among multiple teams working under firm deadlines, showcasing effective leadership and teamwork skills

### Mind Over Matter Karate , Martial Arts Instructor

NOVEMBER 2021 - PRESENT

- Passionately taught kids the principles of self-defense, emphasizing values such as perseverance, mental and physical strength, humility, and the transformation of emotions into productivity.
- Strive to embody these values personally, serving as a guide to others in the process.
- Acquired valuable leadership skills and extensive experience working with younger kids and motivating them to push past their limits.

### Buffoons Team #22544 , First Tech Canada , Team Lead

SEPTEMBER 2023 - DECEMBER 2023

- Served as the leader of my team, playing pivotal roles in delivering pitches to judges, programming our entire bot, networking with other teams, and overseeing overall team management.
- Leveraged my experience as an experienced programmer and familiarity with leadership dynamics to bring a fresh and innovative perspective to the team's approach and problem-solving strategies.
- Led the team in devising innovative and unconventional ideas, securing a 2nd Place Design Award and highlighting a commitment to creative problem-solving and constant Innovation.

## SKILLS

- ❖ Fluent In Most Major Programming Languages
- ❖ Lots of Experience With Machine Learning Algorithms
- ❖ Quick Study And Able To Learn New Technologies Quickly
- ❖ Lots Of Marketing And Pitching Experience
- ❖ Real World Leadership And Team Collaboration Skills

## AWARDS AND ACHIEVEMENTS

3RD Rank In Canadian National Math Contest Thale Against Nearly 7,000 Participants

Best Rookie Hack At Halton Hacks Inaugural Event

Certificate Of Achievement From Canadian National Fluid Power Association

2ND Place Design Award FTC Mississauga Event

3RD Place Connect Award FTC Bolton Event

Finished Harvard Cs50 At Ten Years Old

WMS Award for Excellences in The Sciences '20

Honour Roll Student At Brebeuf College School

5x Time Waterloo Distinction Winner

Pascal Contest School 2ND Place

Won Silver+ at at OBA a provincial band association with an invitation to Nationals

## PROJECTS

### 🔗 Demeter AI

This is my upcoming submission to the GenAI hackathon run by the D<sup>3</sup> Institute from Harvard hosted at Microsoft HQ. The purpose of this project is to process DNA primer strips to recognize and taxonomically classify organisms providing farmers with comprehensive treatments which not only would improve the farmers crop yield but have huge spillover effects into daily life and society

### 🔗 Cat Smasher

Embark on a whimsical gaming adventure with our retro-inspired Pong rendition. Picture this: one player, armed with a motion controller, engages in a lively duel against an unbeatable AI opponent. The twist? Instead of the conventional ball, players find themselves gleefully bashing a cat around the screen. The atmosphere is set with unbelievably cheery music, creating a blend of classic gameplay, motion control antics, and humor. Get ready for a gaming experience that's not only entertaining but also delightfully quirky! 🏆 - Halton Hacks Best Rookie Hack

### 🔗 RedLeaf Finance

RedLeaf Finance was the finance app I created when I was just ten years old. It enabled users to buy, sell, obtain quoted prices, check their holdings, and view their losses and profits. While it may not be the most impressive project I've ever undertaken, I decided to include it on the list due to the sheer personal pride I felt upon its completion. This project holds special significance for me as it played a pivotal role in sparking my passion for programming and ultimately led me to be who I am today.

These are just a few of the projects I have created thus far and I invite you to view a more complete collection of these projects at <https://github.com/nirek13>