# Rudra Dey

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**Connections:**
Linkedin: @deyrudra
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**Awards:**
Edward S Rogers Sr
Nelson Mandela Memorial
Community Police Liaison Committee

## Skills

**Programming Languages:** Java, C, Python, React, & Javascript.

**Team Skills**: Active Communication, Leadership, Collaboration.

**Technical Skills:** CAD, 3D Printing, Arduinos, Building Computers.

## Education

2023 - 2027

**University of Toronto, St. George** - Computer Engineering

## Work

APRIL 2023 - JUNE 2023

**Self-employed, Toronto**- *Calculus & Vectors, Physics Tutor*

- Tutoring Canada's grade twelve students in Calculus & Vectors, and Physics 12.

## Volunteer & Projects

JAN 2023 - MAY 2023

**Technovation Girls (TMU), Toronto**
*Software Development Team Mentor*

- Managed a youth team (of 4 people) for a competition over 4 months.

MAR 2023 - MAY 2023

**Birchmount Park C.I. , Toronto**
*Computer Programming Instructor*

- Created clear and engaging lessons for Javascript, and React Native with slides.
- Posed Youtube tutorials for 25 students, gathering about 6000 views on one video.
- Worked with professional computer science teachers to set up lessons for the students.

SEPT 2023 - DEC 2023

**University of Toronto, Toronto**
*North Alleyway Redesign Project Member*

- The North Alleyway is being redesigned due to construction beneath it.
- Working with 5 others of the same discipline.

FEB 2024 - APRIL 2024

**University of Toronto, Toronto**
*Walking Cane Design Project Member*

- A client wishes to design his own walking cane fit to his specific needs: single handed and at least 3 stages of height.
- Technical Skills: Engineering drawings, CAD, Communication Skills,
- Working with 5 others of similar disciplines.

### Canon Camera Panning Project

- Repurposed an old digital canon camera
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### Realtor Website | Co-developer

- Created a realtor's website, using React and Google Realtime Database

FEB 2024 - PRESENT

### Sensory Register and Individual Programmable Temperature Controller

- An existing technology of a basic temperature controller through sensor and heat register flow. However, with some advancements. Taking into consideration other heating/cooling entities within the room, such as fans, windows, space heaters, and sunlight.
- Working with Arduinos, CAD, Engineering Drawings, Prototyping, Wind Analysis, Solar Analysis, and various mechanical components.