# VEDARTH KUMAR SELAT

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## WORK EXPERIENCE

**Student Marker** (Trent University, Peterborough, Ontario, Canada)

- **COIS - 1020H : Programming in Computer Science (Sept 2024 - Dec 2024)**
  - Evaluated and graded assignments and exams for Programming in Computer Science in C#, ensuring accurate and timely feedback.
  - Collaborated with the professor to align grading with course goals and provided constructive feedback to improve student learning.
  - By answering questions about programming and elucidating assignment criteria, I helped students and fostered a positive learning atmosphere while honing my own analytical and communication abilities.

- **COIS - 3050H : Formal Language And Automata (Jan 2025 - Present)**
  - Graded assignments and exams in the Formal Language and Automata course, focusing on topics such as Regular Languages, Non-Regular Languages, Context-Free Grammar, and Turing Machines.
  - Provided clear feedback to enhance understanding of concepts like Finite Automata, Pushdown Automata, and language classification hierarchies.
  - Maintained academic integrity and consistency in grading while adhering to course guidelines.

## EDUCATION

**Bachelor of Science (Honors) Computer Science** **(2022 - 2026)**
Trent University, Peterborough, ON, Canada
**Specialization in Software Engineering**

## PROJECTS

- **My Personal Portfolio:** I created my personal portfolio from scratch using React JS, CSS and JavaScript. This portfolio highlights my skills, work experience, projects and all my awards and achievements. This project helped me further strengthen my skills in React for building dynamic and interactive web interfaces, gain deeper insights into responsive design using CSS, ensuring the portfolio looks great on any device, and enhance my proficiency in JavaScript. [**GitHub Repository**]
- **Game Simulation Using C# DSA and Linear Algebra:** Developed a simulation program using ArrayLists to manage interactions between cats, snakes, and birds in a 2D space. The simulation tracks their movements using basic linear algebra, displaying animals in forward and reverse order.[**GitHub Repository**]

- **Talking Hands:** Created during the HackTrent Hackathon using TensorFlow, HTML, CSS and JavaScript, this project focuses on empowering inclusivity by enabling seamless interaction between individuals who use sign language and those who don't understand it. [**GitHub Repository**]
- **Sample Resume and Portfolio Website:** Developed a portfolio website and resume from scratch, using HTML, CSS, and advanced CSS animations. [**GitHub Repository**]

## AWARDS AND ACHIEVEMENTS

- **Trent International(TI) Scholarship** (Trent University, Peterborough, ON) **(Sept 2022)**
  Scholarship for demonstrating strong academic and campus involvement
- **Dean's Honor Roll** (Trent University, Peterborough, ON) **(2023 - 2024)**
  Recognition for Excellence in Academics
- **HackTrent Winner** (Trent University, Peterborough, ON) **(8th Nov - 10th Nov, 2024)**
  With over 300+ participants, won in the general category in Trent University
- **Student of The Year Award** (St.George's College, Mussoorie, India) **(2016 & 2017)**
  Award for Excellence in Academics and Co-curriculars
- **Best Entrepreneur Idea Award** (I-Can Conference) **(2019)**
  Award for the most innovative business idea (+ 12000 INR Cash Price)

## SKILLS

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| **Programming Language:** | C# [Adept], Java [Adept], Python[Experienced], Q-Basic[Adept] |
| **Web Technologies:** | HTML [Skilled], CSS [Skilled], JavaScript [Proficient], PHP[Proficient], React JS[Skilled], Node JS[Competent], Express JS[Competent] |
| **Machine Learning:** | PyTorch[Skilled] |
| **Databases:** | MySQL |
| **Version Control:** | Git/GitHub |
| **Design and Prototyping:** | Figma |
| **Soft Skills:** | Research, Problem Solving, Strategic Thinking, Decision Making |