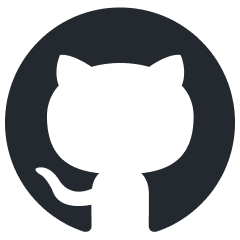
## Ruban Singh

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**Education**

* Computer Science from Kendriya Vidyalaya *Graduated in May 2021*
* CGPA- 87.4%
* Currently pursuing **Diploma in Computer Programming from Cambrian College** *Present - April 2024*

**Relevant coursework:** Data Structures and Algorithms, Computer Organization and Architecture, Object-Oriented Programming, Database Systems, Software Engineering, Operating Systems.

**Extra-Curricular Activities:**

**Cashier at Devta Optical**

* Maintained supply levels in counter and customer areas to meet typical demands
* Reconciled ash drawer at the start and end of each shift, accounting for errors and resolving discrepancies.
* Helped customers complete purchases, locate items and join reward programs to promote loyalty and satisfaction.

**Lead Volunteer** at Green Initiative Club

* Led a team of 5 fellow volunteers to organize 4 special events and programs
* Maintained clean, neat, and operational facilities to serve program needs
* Used strong interpersonal communication skills to convey information to others
* Supported engaging, fun, and smooth-running events by helping with organization and planning
* Greeted visitors and answered questions about the program, requirements, and opportunities.

**Academic Projects:**

**Computer Assembly:**

* Built custom computers for video editing and special effects for self-consumption
* Configured hardware and software to optimize performance and get rid of bottleneck issues
* Tested and troubleshot systems before deployment
* (Resources used: YouTube (LinusTechTips), **PC Building Simulator**)

**Resistance Calculator:**

* Created a resistor calculator to simplify calculations in electrical classes
* Used Libraries like **Tkinter** and **cProfile** for UI (window for the application, labels, and buttons)
* (Resources used: programming language **Python**, **Visual Studio Code**, W3Schools)

**NFT Project:**

* Created an NFT project, Doggo project (yet to be released), of 888 unique pieces using **JavaScript** for the **Ethereum blockchain library**, featuring unique digital art and smart contract functionality.
* Used **photoshop** to make assets and backgrounds
* Utilize **IPFS** to handle image storage and retrieval
* (Resources used: Visual Studio Code, JavaScript, Photoshop, [GitHub](https://github.com/lykruban), and photoshop)

-Some examples on [GitHub](https://github.com/lykruban)

**Top-Down Shooter:**

* Developed a top-down shooter game using **Pygame** and **Python**.
* Utilized object-oriented programming principles to create game entities, such as players, enemies, and projectiles. Implemented collision detection and handling.
* (Resources used: Visual Studio Code, programming language Python, [opengameart.org](https://opengameart.org/))

**Skills:**

* Excellent communication and interpersonal skills
* Proficient in programming languages such as Java, Python, and C++
* Experience with web development using HTML, and JavaScript
* Knowledge of database systems and SQL
* Familiar with the command line interface
* Computer assembly
* Video editing, Photoshop, Special effects
* Strong analytical and problem-solving skills