**Deepansh Sabharwal | Computer Engineering**

Kelowna, BC

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**Technical Skills**

**Programming & Software Development:** Python, Kotlin, R, JAVA, C, Bash Scripting  
**Machine Learning & Data Science:** scikit-learn, Matplotlib, Regression Models, Classification, Random Forests  
**Robotics & Systems:** Robotic System Design, Automation Concepts, Sensor Integration

**Education**

University of British Columbia

Bachelor of Applied Science (BASc), Computer Engineering – In Progress

**Technical Experience**

**The StoreNinja - Co-Founder** ▪ New Delhi, India ▪ Nov 2022 – Dec 2023

* Built and maintained an e-commerce platform emphasizing usability
* Directed platform development and applied problem-solving to resolve user challenges

**MacroThink Inc. - Co-Founder** ▪ New Delhi, India ▪ Dec 2020 – Aug 2021

* Created and delivered educational technology solutions for diverse audiences
* Led project teams and integrated client feedback into iterative design cycles

**Other Work Experience**

**Best Buy - Advisor (Part-Time)** ▪ Kelowna, BC ▪ Jul 2025 – Present

* Assisted customers with technology solutions and product recommendations
* Strengthened teamwork and communication skills in a technical retail environment

**TECHNICAL PROJECTS**

**CaesarCipher** - Python Encryption Tool

* **Developed a Python implementation of the Caesar Cipher, enabling text file encryption and decryption with user-defined shift values**
* **Applied file handling, algorithmic logic, and modular coding practices to build a functional encryption tool with reusable scripts**

**SolveMate** - Python

* Designed a Python-based problem-solving tool for computational and algorithmic tasks
* Implemented efficient algorithms with a focus on user experience and practical applications

**Engineering Design Team Projects**

**CyberTrike**™ - 3-Wheeled Electric Vehicle Prototype (APSC 171)

* **Led programming and electrical design, implementing PWM motor control, NRF radio communication, and optimized wiring**
* **Collaborated with interdisciplinary teams to integrate modular and efficient electronics using Arduino and BJT motor control**

**AI-in-Farming** - Python (ML) (APSC 169)

* Developed a machine learning model to optimize crop prediction and assess agricultural suitability
* Applied data preprocessing, regression models, and evaluation metrics to improve prediction accuracy

**Volunteer Experience**

* **UBCO STEM Volunteer**: UBC - O
* **Teach For India (Delhi Chapter)**: Volunteer as a teaching assistant for underprivileged kids

**AWARDS & CERTIFICATIONS**

* Advanced Python Certification, Stem Centre Ace, New Delhi
* Stock Investing and Trading Certification, Udemy (Steve Ballinger)
* **National Ideathon 3.0 Winner** (Kalinga University)– Awarded 500 CAD

**INTERESTS & ACTIVITIES**

Robotics ▪ Machine Learning ▪ App Development ▪ Programming ▪ Stock Investing ▪ Entrepreneurship ▪ Theatrical Production