

NIHAAR BATLA

4TH YEAR EE STUDENT @UBC OKANAGAN

CONTACT

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SKILLS

Programming Languages: C++, Java, Python, JavaScript, C, Verilog, HTML, CSS, R Studio, MATLAB, Assembly

Technical Skills: MATLAB & Simulink, LTSpice, Cadence (Virtuoso), Circuit Analysis, Analog & Digital Electronics, Arduino (Embedded Systems), CAD (AutoCAD / SolidWorks), PCB Design, Oscilloscope & Lab Equipment, Microcontrollers, Signal Processing Basics

EDUCATION

University of British Columbia (Okanagan Campus)

BASc - Electrical Engineering

2021 - Present (4th Year)

Scottish High International School, Gurgaon

Class 12th (ISC)

2020 - 2021

CERTIFICATIONS

J.P. Morgan - Software Engineering Job Simulation

[Certificate of Completion](#)

IBM Cloud Essentials

[Badge of Completion](#)

Focus Areas: Embedded Systems, Circuit Design, Analog & Digital Electronics, Integrated Circuits, Semiconductor Devices, Signal Processing

ABOUT ME

As an aspiring electrical engineer, I am a driven engineering student with a strong passion for electronics, circuit design, and emerging technologies. I am actively seeking opportunities to contribute to impactful engineering projects, with the goal of building a successful career in the electrical and semiconductor industries.

Committed to continuous learning, I enjoy solving complex problems, developing innovative solutions, and staying up to date with advancements in electrical engineering and technology.

WORK EXPERIENCE

Store Manager @Maharaja Grocerz

Kelowna, BC

- Sharpened customer service, communication, and problem-solving skills during grocery store tenure.
- Demonstrated time management, attention to detail, and teamwork proficiency.
- Developed adaptability, cash handling, and in-depth product knowledge.

VOLUNTEERING WORK

Vice President @SUO CRICKET CLUB

Kelowna, BC

- Showcased strong leadership as Vice President of the university cricket club.
- Organised and coordinated team activities, promoting collaboration and teamwork.
- Interaction with students and members with regards to the club

Registration Team Lead @OTIN (Okanagan Tech Industry Night)

Kelowna, BC

- Volunteered at a tech event attended by over 200+ Industry representatives, professors and students organised by IEEE Student branch at UBCO
- Coded over 160 custom QR codes for attendees.
- Supervised 2-3 volunteers as the leader of the registration team.

Lab Monitor @MLRC Hackerspace

Kelowna, BC

- Managed hackerspace for students working on projects, maintaining and organizing electrical components and equipment like soldering machines, 3D printer etc.
- Volunteering in events organised by the hackerspace

PROJECTS

DC Motor

- Designed & 3D printed a 3-phase induction motor using SolidWorks.
- Programmed Arduino for PWM control of the motor (also used servo tester).
- Implemented Wye & Delta coil configurations for motor operation.
- Demonstrated proficiency in electrical systems and motor control.

Arduino powered Motion sensing Projector

- Developed an Arduino-powered motion-sensing projector with an HR-SR04 sensor.
- Implemented a feature to automatically switch off the projector when no one is detected in the room.
- Our project also got selected in the top 25 out of 75 teams

Designed the Aston Martin DB5 car on SolidWorks

- Executed coursework focused on designing an Aston Martin car with James Bond movie-inspired modifications using SolidWorks.
- Modeled and engineered all components, from transmission and engine to wheel axle and brake pads, demonstrating proficiency in SolidWorks for comprehensive automotive design