

CYRUS KAKKAR

Computer Engineering Graduate

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SUMMARY

My technical expertise is driven by a deep curiosity for emerging technologies, inspiring continuous learning and adaptability in my field. As an independent store manager, I developed strong leadership skills by guiding a team toward common objectives, fostering a culture of collaboration and effective problem-solving. These experiences have equipped me with essential skills for thriving in tech environments where innovation and efficiency are crucial.

EDUCATION

Fraser International college

Engineering Core
2019 – 2020

Simon Fraser University

Bachelors of Applied Science
2020 – 2024

SKILLS

- **Programming Languages:** Proficient in C/C++, Python, Java, and Assembly.
- **Hardware Design:** Experienced with VHDL, FPGA development, and PCB design using Eagle.
- **Embedded Systems:** Skilled in microcontroller programming, sensor integration, and low-level firmware development.
- **Circuit Analysis:** Proficient in multimeter, oscilloscope, and troubleshooting electronic circuits.
- **Control Systems:** Competent in using Matlab/Quarc for designing and implementing feedback control systems.
- **Software Development:** Familiar with Git and CI/CD practices.
- **Cloud & Networking:** AWS Cloud Practitioner, AWS Developer, and CCNA certified, with experience in Software-Defined Networking (SDN).
- **Tools & Software:** Competent with Microsoft Office Suite, LaTeX, and simulation software like MATLAB/Simulink.

RELEVANT PROJECTS

SDN-based Traffic Management System | ENSC 451

- Designed and implemented an SDN-based traffic management system using the OpenFlow protocol, enabling dynamic network traffic prioritization and routing.
- Developed and tested a centralized SDN controller using Python, managing traffic flow between simulated nodes via Mininet.

Environmental Monitoring System | ENSC 380

- Developed and programmed an environmental monitoring system using C/C++ on an ARM Cortex-M microcontroller, measuring parameters like temperature and humidity.
- Integrated sensors using I2C protocols and displayed data on an LCD or transmitted wirelessly, optimizing for low-power consumption.

WORK EXPERIENCE

Assistant manager

Port Moody Liquor Store | 2020 – 2024

- Streamlined liquor logistics and inventory management for efficiency.
- Handled delivery and shipping of liquor to/from private vendors.

Manager

EH Furniture | 2019 – 2020

- Ran point with customer relations and introduced strategies to increase sales.
- Supervised a team of 9 sales representatives.

Team Leader

7-Eleven | 2018 – 2019

- Assisted executive secretary in managing and coordinating schedules, meetings for senior executives.
- Supervised customer service and food & beverage handling.