

## Education

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University of Calgary (*May 2023 - April 2024*)  
M.Eng, Electrical and Computer Engineering, Software Specialization

University of Alberta (*Sept 2017 - April 2023*)  
BSc, Chemical Engineering Co-op, Certificate in Sustainability

## Skills, Certifications, and Technical Experience

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**Computer Skills:** HTML, CSS, JavaScript, React, Node, SQL, R, Java, Python, C, MATLAB, GitHub, MS Office, Google Suite, SharePoint, VBA, MS Visio, Photoshop Elements, Adobe Lightroom, Sony Vegas Pro 13

**Certifications:** LEED GA (*GBCI, 2022*), CAPM (*PMI, 2022*), Sustainability Certificate (*UofA, 2022*), WHMIS (*UofA, 2022*), Google Data Analytics (*Coursera, 2023*), Web Development Bootcamp (*Udemy, 2023*)

## Motorsport Certifications

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**Aero Design** (*MotorsportEngineer.net, 2023*):

- Acquired comprehensive knowledge of Aero Design principles and the role requirements.
- Designed complex aerodynamic race car components while adhering to industry protocols.

**Performance Engineering in F1** (*MotorsportEngineer.net, 2023*):

- Comprehensive understanding of Performance Engineering principles and their application in Formula 1, including sensors, data analysis, and car setup optimization.
- Proficient in utilizing electronic maps and conducting data analysis to evaluate driver performance, identify limitations, and propose improvements.
- Hands-on experience with case studies involving balance, aerodynamics, ride, and reliability assessment for enhanced car performance in Formula 1.

## Work Experience

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Renewable Energy Systems; Project Coordinator Co-op  
City of Edmonton

*Edmonton, AB  
April – Dec 2022*

- Assisted the Renewable Energy Section Manager in the utility design and development of an approval process
- Assisted in design coordination, reviews, and development of process flow charts
- Monitored engineering activities and worked with the project team to control scope, schedule, quality, and budget
- Creation of process optimization and development

# Yajur Vashisht

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Production; Maintenance Engineer Co-op  
PepsiCo

Calgary, AB  
Jan – Aug 2021

- Continuous improvement projects to reduce downtime and increase running efficiency
- Planned and undertook scheduled maintenance, responding to breakdowns, diagnosing faults, and assisting in repairing equipment
- Maintaining statistical and financial records, ensuring compliance with health and safety legislation, creating maintenance procedures and PMs, and managing stocks of supplies and equipment

Environmental Technician Intern  
DST Consulting

Edmonton, AB  
May – Aug 2020

- Performed hazardous materials surveys (asbestos, mold, lead, etc), abatement and remediation inspections, as well as air sampling
- Prepared written reports from analysis of lab report data
- Coordinated and maintained field equipment maintenance

Materials Engineering Intern  
Englobe Corp

Edmonton, AB  
Jan – May 2020

- Preparation of quality control lab reports to ensure adherence to site specifications including surveying, lab testing, aggregate testing, as well as concrete, asphalt, and field density programs
- Successfully developed relationships with clients, industry affiliates, engineers, technologists, technicians, and construction personnel
- Managed multiple job sites and projects

## Community Involvement

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- AVP External, ChemE Student Society (CheSS), September 2019 – April 2023
- UAlberta FSAE, September 2020 – April 2022
- UAlberta FSAE EV, Controls Engineer, May 2020 – April 2022
- Engineering Student Success Centre, Tutor, September 2019 – January 2020

## Additional Information

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- Class 5 GDL – Clean abstract and reliable vehicle (Class 5 available upon request)
- Languages: English (Fluent), Hindi (Fluent), Punjabi (Fluent), Urdu (Fluent)
- Willing to relocate