

VAISHALI SHARMA

Ottawa, ON

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CORE COMPETENCIES

Environmental Monitoring | Environmental Site Assessment | Project Management | Environmental Impact Assessment | Environmental Policy and Regulations | Environmental Modelling | GIS | Fieldwork Skills

HIGHLIGHT OF SKILLS

- Site Investigations/ Inspections: Inspect sites for compliance with environmental laws and permits.
- Environmental Monitoring and Sampling: Collect and analyze samples of air, water, soil, and waste
- Transportation: Owns a vehicle with a valid driver's license
- Environmental Monitoring and Sampling: Collect and analyze samples of air, water, soil, and waste
- Communication and Problem-solving: Strong interpersonal and problem-solving abilities
- Environmental Regulations: Deep understanding and working experience of O.Reg. 153/04.
- Environmental Expertise: Holistic understanding with national certification in environmental science

RELATED EXPERIENCE

RESEARCH ASSISTANT

September 2024 – May 2025

Algonquin College, Ottawa, Canada

- Analyzed 90+ climate datasets to assess the impact of mechanical cooling systems in multi-unit residential buildings across Canadian climate zones.
- Optimized energy modeling processes by integrating Can-QUEST and Microsoft Excel, reducing data processing time by 20%.
- Conducted sensitivity analysis across cooling scenarios, generating data-driven insights that informed building regulation updates.
- Coordinated with government agencies, environmental specialists, and industry professionals to ensure comprehensive environmental management and enforcement
- Drafted proposals for environmental projects, outlining compliance strategies, mitigation measures, and sustainability goals
- Compiled detailed inspection reports, technical documentation, and recommendations based on findings, adhering to ministry standards

CONSULTANT – ESG

January 2023 – December 2023

S.G. Analytics, Pune, India

- Conducted sustainability audits ensuring compliance with GRI, SASB, TCFD, and CDP standards.
- Analyzed sustainability reports to identify gaps and created strategies to improve ESG ratings.
- Collaborated with clients to design sustainable strategies for power, utilities, and renewables projects.
- Monitored sustainability metrics, prepared technical reports, and supported the development of climate resilience strategies.
- Conducted studies and tests, and collected environmental data

- Assisted in studying and monitoring air, land, and water quality tests
- Wrote proposals for environmental projects

EDUCATION

Algonquin College, Ottawa, Canada

Graduate Certificate in Environmental Management and Assessment

Sept 2024- Apr 2025

- Key courses: Field Techniques and Sample Acquisition, Environmental Policy, GIS, Sample Processing and Analysis, Biodiversity and Conservation, Scientific Communication for Public Policy, Environmental Auditing and Site Assessment, Environmental Modelling.

Algonquin College, Ottawa, Canada

Graduate Certificate in Energy Management

Jan 2024- Aug 2024

- Conducted energy analysis and simulations of building design using specialized energy modeling software such as CanQuest, eQUEST and RETScreen.

Delhi University, New Delhi, India

Master of Arts in Environment Science (Gold Medal Award)

Aug 2018 - Aug 2020

- Preparation of detailed field notes, site remediation and sampling techniques

Delhi University, New Delhi, India

Bachelor of Science in Botany

July 2014- Aug 2017

- Conducted a Botanical Restoration Project focused on rehabilitating degraded lands using native plant species to enhance biodiversity.

CERTIFICATIONS AND TOOLS

Certifications: ISO 14001:2015 EMS - Udemy (May 2025) • BCG Climate & Sustainability Job Simulation - Forage (May 2025) • Introduction to ESG - Corporate Finance Institute (May 2024) Business Analytics with Excel - Simplilearn (Dec 2022)

Tools: GIS Mapping (ArcGIS), Energy Modelling (Can-QUEST, RETScreen), Microsoft Office Suite (Word, PowerPoint, Outlook), Google Earth, Google G-Suite