Srikar Kovirineni

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Professional Summary

Environmental Professional with a passion for renewable energy, currently pursuing a Master's in Energy Systems Management. Seeking to leverage research experience and solar energy sector skills to excel as an Energy Professional. Experienced in market analysis, interconnection, and site assessment within the solar energy sector, I drive positive change and exceed regulatory compliance standards. Eagerly looking forward to contributing to a team focused on building a cleaner and brighter future.

Skills

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| * Data Collection | * Project Economics | * Financial Analysis |
| * Data Analysis * Risk Management | * Stakeholder Communication * Proficient in Excel | * Project Management * Permit Application Development |

Experience

*June 2022-August 2023*

**Lab and Research Technician**

**Environment and Climate Change Canada | Burlington, Ontario**

* Led laboratory operations for Canada's HMReF, conducting erosion experiments and micron-scale dissolved oxygen profiling to assess sediment dynamics and oxygen demand
* Expertly managed sediment core extraction using specialized methods while ensuring structural integrity and accurate analysis
* Assessed and streamlined 3+ freshwater projects by organizing operations, maintaining safety protocols, and generating depth charts for anomaly detection
* Collaborated with research scientists across Canada to assess the potential impacts of chemicals in lake sediment and their implications for future analyses
* Developed strong laboratory skills through sample collection, analysis preparation, and collaboration with the National Laboratory for Environmental Testing (NLET)
* Analyzed chemical analysis of lake sediment to quantify environmental impacts, generating reports used in Canadian Science Publishing

*September 2020-April 2022*

**Student Representative**

**Carleton University | Ottawa, Ontario**

* Independently planned and executed student field retreats, managing logistics for 15+ participants, demonstrating commitment to hands-on environmental education performing on site data collection (pH, oxygen percentage, temperature)
* Facilitated student-faculty collaborations on 4+ projects, improving completion rates and student satisfaction.
* Advised students on relevant programs and resources, resulting in increased participation and career development outcomes.
* Collaborated with administrators to refine ambassador program objectives, streamlining processes, and boosting student engagement.

*January 2021-August 2021*

**Digital Marketing Manager**

**Liberty Services & Products | Toronto, Ontario**

* Drove brand awareness with social media campaigns, increasing web traffic by 50% and exceeding targeted engagement metrics.
* Developed multi-channel marketing campaigns (social, email, display), increasing awareness by 25% in qualified leads.
* Designed targeted marketing strategies aligned with sales goals, boosting lead conversion and exceeding ROI targets.

Education

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| **Master of Science - Energy Systems Management**  *University of San Francisco, California* | May 2025 |

* **Quantitative Methods**: Gained strong foundational knowledge for electric power systems through a course covering energy conversions, energy metric modeling, production-cost modeling, constrained optimization, and load-flow modeling.
* **Energy Industry Strategy**: Gained comprehensive understanding of industry drivers, stakeholder engagement, and decision-making shaping the transformation of electricity markets.
* **Introduction to Microgrids**: Led development of innovative decentralized energy solutions addressing local and global challenges, analyzing policy, social impact, finance, and technical design
  + Collaborated with CERAF-NORD to design and implement a 200 kW Solar-Hybrid Microgrid to sustain local farming practices while maintaining the levelized cost of electricity to $0.34/kWh.
* **Current and Future Courses:** Renewable Energy Economics, Renewable Energy Technologies, Energy Law, Electricity Systems, Renewable Energy Finance, Energy Policy, Integrated Resource Planning, Energy Practicum
* Leveraged industry conferences like VERGE23 and the Advanced Bioeconomic Leadership Conference to cultivate professional networks and gain in-depth understanding of the current energy market.

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| **Bachelor of Science - Environmental Science**  *Carleton University, Ottawa, Ontario* | April 2022 |

* First Place Awarded for Leading Food Systems Innovation in Response to Eastern Ontario's Drought.
* Honored with Case Study Award for Exemplary Brownfield's Redevelopment and its increased focus on Environmental Remediation
* Debate Finalist (2nd Place): Contributed to Carleton University's Discourse on Improving Recycling Habits through Persuasive Debate