


## **Akshay Sunil Kumar**

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 Open to Relocation — UAE

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## **PROFESSIONAL HEADLINE**

**Fresh Graduate Engineer | Petrochemical | Renewable Energy | Digital  
Marketing | AI Content Creator | HSE Certified**

## **PROFESSIONAL SUMMARY**

Fresh and multi-skilled graduate with a Bachelor's in Petrochemical Technology and a Post-Graduate in Applied Energy Management and Renewable Energy. Certified in Digital Marketing (SEO, Ads, Social Media), AI Video Content Creation, and Web Design (WordPress/ Elementor). Completed multiple safety certifications (Rig Safety, H2S, Fire Fighting, Defensive Driving). Experienced in content design, and sustainability projects. Highly motivated to contribute to energy, marketing, creative, or industrial sectors in the UAE.

## **TECHNICAL SKILLS**

- **Energy:** Solar PV system design (beginner), renewable energy analysis

- **Digital Marketing:** SEO, Google Ads, Meta Ads, Email Marketing, WordPress, Elementor
- **Web Design:** WordPress CMS, Elementor, Envato Themes, Logo Design
- **AI Content Creation:** Leonardo AI, Runway AI, Canva AI
- **HSE & Safety:** Rig Safety, Process Safety, Fire Safety
- **Software:** Microsoft Excel (Advanced), PowerPoint, Canva, Davinci Resolve, Retscreen
- Languages - English (Fluent), Malayalam (Native), Hindi (Basic), Tamil (Fluent), Sanskrit.

## EDUCATION

### **Post Graduate Diploma – Applied Energy Management & Renewable Energy**

Conestoga College | 2025 | Canada

### **Bachelor of Technology – Petrochemical Technology**

Anna University | 2022| India

### **Digital Marketing Certification KHDA Approved**

Skill Mount | 2025 | India

## PROJECT EXPERIENCE

### **Solar Tracking Mirror Water Heating Project**

Designed and analyzed solar mirror tracking system integrated with water heating

- Conducted solar pathfinder analysis for optimal collector positioning and efficiency enhancement.

### **TiO<sub>2</sub> Recovery Project – KMML (India)**

- Investigated recovery of Titanium Dioxide from clarifier sludge at ilmenite beneficiation plant
- Conducted experimental studies on process optimization and waste utilization in mineral processing

### **Off-Grid Solar PV & Wind System Design — Nisku, Alberta, Canada**

- Designed an off-grid hybrid renewable energy system for a residential site in Nisku, Alberta (latitude 53.3195°N, longitude -113.4776°W).
- Conducted site analysis using RETScreen and simulation tools to evaluate solar PV and wind energy potential.
- Integrated battery energy storage system (BESS) to ensure full off-grid capability and optimize renewable energy usage.
- Gained hands-on experience in hybrid renewable energy system sizing, load analysis, and off-grid energy modeling.

### **Waste-to-Energy Plant Study — Stadler WTE Plant, Zurich (Case Study Project)**

- Studied advanced waste management and energy recovery processes at Stadler Waste-to-Energy (WTE) Plant in Zurich, Switzerland.

- Analyzed the full waste handling cycle — sorting, incineration, energy extraction, emission controls, and sustainable energy generation.

## **Work Experience**

### **1. Social Media Manager at JAIDE SECURITY SERVICES (Canada, Kitchener)**

2023-2025/ Part Time

- Managed the full social media presence for Jaide Security Services, including content planning, post scheduling, graphic design, and campaign management across multiple platforms.
- Developed creative content for brand visibility, safety awareness, and client engagement.
- Increased social media reach and engagement using organic and paid strategies.
- Utilized AI tools, Canva, and graphic design software to create high-impact visuals and promotional materials

### **2. Content Creator & Marketing Support at Carter's Oshkosh B'Gosh**

**Cambridge Warehouse – Part Time**

- Created targeted digital marketing content for warehouse product lines, including video content, short ads, and visual promotions.
- Supported email marketing, e-commerce promotions, and seasonal campaign development for Carters warehouse marketing.

- Collaborated with cross-functional teams to align content with brand objectives and drive customer engagement.
- Applied AI video editing tools and creative design platforms to improve content quality and turnaround time.

## **CERTIFICATIONS**

- Google Digital Garage – Fundamentals of Digital Marketing (2025)
- Google Ads Certified – Search / Display / Video (2025)
- Meta Blueprint – Digital Marketing Associate (2025)
- HSE Certifications: Rig Safety, H2S Awareness, Basic First Aid/CPR, Fire Fighting, Defensive Driving - 2021
- Canva for Work - 2025

