

AKASH CHIDAMBARAN ANIL

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SUMMARY

Renewable Energy professional with an MSc in Renewable Energy Engineering from Brunel University London, accredited by CIBSE, IMECHE, and the Energy Institute. Specialized in mechanical engineering with extensive experience in insulation, cladding, and pneumatic actuator calibration. Proven expertise in project management, ensuring strict adherence to quality standards, and managing scheduling, procurement, and operational coordination. Proficient in Measurement and Verification (M&V) protocols, particularly the International Performance Measurement and Verification Protocol (IPMVP). Well-versed in Life Cycle Assessment (LCA) methodologies, applying LCA to evaluate environmental impacts of products and processes throughout their lifecycle. Committed to leveraging my skills and knowledge in a forward-thinking organization to drive sustainability initiatives and contribute to a greener future.

PROFESSIONAL EXPERIENCE

SAINSBURYS

November 2022- Ongoing

Trading Assistant

- Managed inventory and stock levels, guaranteeing products are readily available for customers.
- Proficient in using retail management software and systems to track sales trends, analyze data, and improve product placement.
- Strong interpersonal skills, proven through effective communication with suppliers, colleagues, and customers to maintain positive relationships.
- Experienced in performing stock audits and implementing corrective actions to minimize shrinkage and ensure accuracy in inventory records.

DJ ENGINEERING SERVICES AND CONSULTANCY

November 2020 - May 2022

Project Engineer

- Led and supervised insulation technicians and craftsmen, guaranteeing strict adherence to project plans, emphasizing quality, and safety, and fostering a collaborative environment.
- Collaborated across teams to optimize communication channels, facilitating the efficient development of insulation plans for shipbuilding and repair projects, showcasing strong decision-making abilities, time management, and relationship management.
- Performed regular progress inspections and reviews, demonstrating effective project tracking, monitoring, evaluation skills, risk management, and operations oversight.
- Executed and delivered comprehensive training sessions to insulation technicians, emphasizing proper techniques, safety protocols, and reinforcing security measures. This initiative increased project completion efficiency and reduced safety issues on-site.
- Managed and monitored project document preparation, encompassing detailed reports, inspections, and change orders; upheld precise and systematic record-keeping, reflecting an unwavering commitment to accuracy.
- Led business development through team leadership, successful project execution, risk assessments, and strategy optimization, improving project delivery and performance.

KELTRON CONTROLS, ALAPPUZHA, INDIA

December 2018 – December 2019

Graduate Apprentice Trainee QA Department

- Inspected, assembled, and tested mechanical products, including pneumatic actuators, smart positioners, I/P converters, air filter regulators, and solenoid valves, ensuring quality assurance.
- Demonstrated precision and expertise in pneumatic actuator assembly, utilizing advanced precision measuring instruments to maintain high product quality.
- Engaged with cross-functional teams to implement process improvements, enhancing product quality and efficiency.
- Developed and implemented detailed commissioning procedures to ensure consistent project quality and compliance with industry standards.
- Facilitated knowledge transfer and training programs, assisting in the development of new team members, and maintaining consistent quality standards across the department.

METAL TECH, ALAPPUZHA, INDIA

November 2017 – December 2018

Trainee

- Delivered high-quality repair and maintenance of fabricated metal products, meeting project deadlines and public sector standards.
- Cooperated with a dedicated team to provide exceptional client services, addressing repair and installation requirements.

EDUCATION

Brunel University, London, UK

September 2022-September 2023

MSc Renewable Energy Engineering with Distinction

Final year dissertation-Solar PV and Hybrid Energy Storage System for Smart Energy Communities

Mahatma Gandhi University, Kottayam, Kerala, India

JULY 2013-May 2017

Bachelor of Technology in Mechanical Engineering-6.68 CGPA

TECHNICAL PROJECT WORK

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| <ul style="list-style-type: none"> • Solar PV and Hybrid Energy Storage System for Smart Energy Communities. • Solar Water Heater Design Project. • Wind Power System Design Project. • Electrical Service Design Project. | <ul style="list-style-type: none"> • Integration of Renewable Energy Technologies into Non-domestic Buildings. • Integrated Gasification Fuel Cell System For The Hillington Hospital. |
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SKILLS & CERTIFICATIONS

Helioscope

- Created solar PV system designs, including layout and shading analysis.
- Simulated different conditions to optimize solar PV system performance.
- Assessed cost-benefit analysis to evaluate project viability.

Homer Pro

- Designed hybrid energy systems with solar PV and batteries.
- Reviewed scenarios to find efficient configurations for renewable energy systems.
- Performed feasibility studies to evaluate economic and environmental impacts of hybrid energy projects.

RETScreen

- Analyzed energy performance of renewable systems and buildings using advanced analytics and M&V (Measurement and Verification) protocols.
- Developed net zero energy plans by modeling and optimizing renewable energy portfolios.
- Conducted feasibility studies to assess the economic and environmental viability of renewable energy projects.

BCG Climate & Sustainability Job Simulation on Forage - May 2024

- Completed a carbon emissions analysis simulation for the Sustainability Team, using Excel to calculate baselines and comparing data from the CDP database for accuracy.
- Studied and recommended carbon reduction initiatives for Fast Cars to achieve Net Zero, considering effective Scope 3 strategies.
- Crafted clear emails and a presentation to communicate findings and recommendations to the client.
- Adapted messaging strategies to address investor concerns, aligning with Fast Cars' sustainability goals.

JPMorgan Chase & Co. Excel Skills Job Simulation on Forage - April 2024

- Acquired proficient command of Excel functionalities and data analysis techniques, including data cleansing, and manipulation, and conditional formatting techniques.
- Acquired proficiency in automation by learning to record macros and script in Visual Basic for Applications (VBA), developing two functional macros integrated with buttons using account sales data.
- Gained expertise in data visualization and storytelling using Excel and PowerPoint by creating impactful charts and interactive dashboards.