**Raiyan Abrar H Baig; Automotive Engineer**

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# OBJECTIVE

Aspiring automotive engineering professional with a Master of Science in Engineering Management & Automotive Engineering from Coventry University, UK, with 1.5 years of experience. Skilled in process engineering principles and methodologies, with proven leadership and problem-solving abilities. Seeking an automotive engineer role to optimize processes, drive efficiency, quality management and contribute to organizational success, committed to continuous learning and growth.

# EXPERIENCE

Apr 2023 — Present **Project Engineer, Spark Tech Fire Equip.** Sharjah, UAE

* Contributed to a 10% reduction in project timelines by assisting in the implementation of proactive safety measures, demonstrating a commitment to optimizing project efficiency while maintaining high safety standards.
* Collaborated with cross-functional teams to troubleshoot and resolve technical issues, reducing project downtime by 20%.
* Prepared detailed technical reports and documentation, contributing to the maintenance of comprehensive project records and knowledge sharing within the team, resulting in a 25% improvement in team productivity.
* Supported the installation and commissioning of fire safety systems at client sites, ensuring proper functionality and compliance with safety regulations, achieving a 100% client satisfaction rate.

Nov 2022 — Mar 2023 **Quality Inspector, Brose Automotive Limited** Coventry, UK

* Conducted rigorous daily quality inspections on 50 Jaguar Land Rover vehicle seats & other automotive component systems, achieving an impressive 98% compliance with health and safety standards.
* Developed expertise in interpreting complex engineering drawings, facilitating a comprehensive understanding of design specifications and contributing to precise quality assessments.
* Maintained 5S principles as a quality control tool, ensuring a structured and organized work environment that enhances efficiency and supports continuous improvement initiatives. Collaborated effectively with production teams to communicate quality standards, ensuring a cohesive understanding of expectations, and fostering a culture of quality consciousness within the organization.

# EDUCATION

Sep 2021 — Sep 2022 **Master of Science in Engineering Management**, Coventry Coventry, UK University - Merit

Sep 2018 — Jul 2021 **Bachelor of Engineering in Automotive Engineering**, Coventry Coventry, UK University - Merit

Jan 2016 — Jan 2018 **Extended Diploma in Aeronautical Engineering**, Emirates Aviation Dubai, UAE University - Distinction

SKILLS

|  |  |
| --- | --- |
| Quality Management System | Process Improvement |
| Communication | Lean Six Sigma |
| Supply Chain Management | Process Documentation |
| Microsoft Word | Risk Management |
| Microsoft PowerPoint | Product Engineering |
| Microsoft Outlook | Data Collection/ Analysis |
| Microsoft Project | Coordinate Measuring Machine (CMM) |
| Microsoft Excel | Teamwork |
| CATIA | Technical/ Engineering Drawings |

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| LANGUAGES | English Urdu | Native speaker Native speaker | Arabic Hindi | Proficient Native speaker |
| COURSES |  |  |  |  |

Jun 2024 CSCMP Supply Chain Foundations: Procurement Professional Certificate, LinkedIn Learning

Apr 2024 Financial Forecasting with Big Data, LinkedIn Learning

Mar 2024 Learning Lean Six Sigma: Yellow Belt, Alison Course

Dec 2023 Six Sigma White Belt, Alison Course

Jun 2023 ISO 9001:2015 – Quality Management Systems (QMS), Alison Course

Apr 2023 Introduction to Standards and Sustainability, ITC SME Academy

Aug 2022 Level 7 Certificate - Strategic Management & Leadership Practice, Chartered Management Institute (CMI)

# PROJECTS

May 2022 — Aug 2022 **Master's Dissertation - Feasibility and Sustainability of Electric Vehicles**

* Conducted in-depth analysis of the European automotive sector, highlighting the environmental benefitsof electric vehicles.
* Led a research study involving 50 UK adults, revealing an 88% willingness to embrace EVs with governmentincentives.
* Quantified potential environmental gains, addressing challenges in battery management andmanufacturing efficiency.

Jan 2021 — Apr 2021 **Final Year BEng. Group Project - Investigation on Cost reduction** **techniques VEITIS EV-Twin electric bike**

* Applied advanced cost analysis methodologies, achieving a significant £2000 (22%) reduction in manufacturing costs per unit, ensuring a robust 50% minimum profit margin.
* Conducted supplier outreach and optimized Bill of Materials, securing a notable 30% savings on keyassemblies while maintaining quality and safety standards.
* Introduced innovative manufacturing methods and proposed alternative materials, contributing to overallcost reductions, and streamlined supply chain operations.