

Vidur Varshan Manoharan

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PERSONAL PROFILE:

Results-driven MSc Engineering Management graduate with a Mechanical Engineering background, skilled in lean manufacturing, process optimization, and industrial automation. Experienced in quality control, production analysis, and robotics integration. Passionate about improving efficiency and driving innovation in manufacturing and engineering operations. Seeking a challenging role at your company to apply my skills and contribute to operational excellence.

SKILLS:

Industrial Tools	: - SolidWorks	- Fusion360	- AutoCAD	- 3D Printing
Industry Knowledge	: - Microsoft 365	- Lean Principle	- QFD & FTA	
Interpersonal Skills	: - Team Collaboration	- Leadership	- Resilience	

EDUCATION:

2022 – 2024	University of Leicester, Leicester.	(Graduated on Jan 18, 2024)
	Masters in Engineering Management	(Merit)
	Modules: System Engineering, Lean Manufacturing, Project Management, Engineering Business Management and Cost Engineering.	
2017 – 2021	Anna University, KPR Institute of Engineering and Technology, India.	
	Bachelors in Mechanical Engineering	(First Class)
	Modules: Computer Aided machine drawing, Process Planning and Cost Estimation, Additive Manufacturing, Manufacturing Technology and Strength of Materials.	

EXPERIENCE:

November 2022 – Present	Royal Mail Midlands Super Hub, Daventry.	(Full Time Agency Worker)
	<ul style="list-style-type: none">Optimized sorting workflows through robotics and automation, ensuring efficiency in logistics operations and integrating lean manufacturing principles.	
June 2021 – August 2022	KPM Fab, India.	(Process Engineer (Entry-Level))
	<ul style="list-style-type: none">Led quality control processes, maintained Sulzer PU TW11 weaving machines, and applied lean methodologies to enhance textile manufacturing efficiency.Utilized Tally ERP 9 for production analysis and applied lean manufacturing principles to streamline operations and improve workflow efficiency.	
December 2018 – December 2018	South India Motors, India.	(Internship)
	<ul style="list-style-type: none">Gained hands-on experience in automotive diagnostics, troubleshooting, and preventive maintenance, focusing on engine performance and system efficiency.Assisted skilled technicians in servicing and repairing 6 to 8 vehicles daily, applying fault detection techniques to ensure optimal vehicle functionality.	

Milestone in Motion:

- Continuously expanding industry knowledge and applying expertise to real-world challenges through hands-on learning and networking.
- Self-taught in additive manufacturing with a 3D printer and currently pursuing an accredited e-learning certification course on QMS Auditor/Lead Auditor (ISO 9001).

PROJECTS:

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- Investigated and compared EV manufacturers in China and India with change management theory models.

Insights:

- Researched EV adoption goals: China (77% by 2040), India (30% by 2030).
- Discovered that India imports approximately 70 percent of its raw material for EV manufacturing are imported from China and few other countries.
- Discovered various new change management strategies like 7+4 full market strategy, green manufacturing, 360-degree manufacturing, and transforming IC vehicle to EV.

December 2022 Requirement Specification for Water Distribution Network and design for Firefighting in a Large Ship. (Master's Course Work)

- Led a team in identifying comprehensive system requirements and implementing solution to addressing failures in the system.

Insights:

- Conducted rigorous evaluation on design using Fault Tree Analysis and Quality Function Deployment model, resulting 22.2% improvement in system failure prediction accuracy.
- Developed a detailed architecture network, tailored to meet customer requirements with successfully optimized water distribution and reduction in water wastage.
- Designed detailed Gantt chart to visualize project timelines, milestones, and communication.

**2019 – 2021 Camellia Sinensis/Ananas Comosus Fiber Based Corrugated Panel for Sound Damping.
(Bachelor's Final Year Project)**

- Designed and fabricated a natural fiber based corrugated shaped acoustic panel for high frequency applications.

Insights:

- Fabricated the panel with Industrial Tea leaf waste (*camellia sinensis* 25wt%), Pineapple fibre (*ananas comosus* 5wt%) and E-Glass fibre 10wt% bonded with epoxy resin 60wt% in a sinusoidal corrugated sandwich panel.
- Observed Noise Reduction Co-efficient of corrugated sandwich panel is 0.64.

CERTIFICATION:

January 2025 Obtained Full UK Driving License.

August 2024 **JPMorgan Chase & Co.'s Excel Skills on Forage.**

- Acquired proficient command of Excel functionalities and data analysis techniques, Visual Basic for Applications (VBA) and manipulation, and conditional formatting techniques.
- Gained expertise in data visualization and storytelling using Excel and PowerPoint by creating impactful charts and interactive dashboards.

February 2023 Seer for Hardware, Electronics and Systems.

- Completed the Seer for Hardware Core workshop course conducted by Galorath, with expertise in cost estimation, planning, and analysing methodologies.
- Utilized Seer for Hardware tool in masters course work to analyse cost for manufacturing EV'S.