





Sivaranjan Manoharan

Bedford, England, UK 
[Can relocate all over UK]

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[LinkedIn](#) 

A highly motivated individual wishes to work in an organization, that enables me to diversify my knowledge and skills and challenges me intellectually, offering potential for professional growth and advancement. Master of Engineering in Automotive at the University of Hertfordshire. over three years of CAD design experience and six months of quality control experience in the automotive industry. solid familiarity with the most recent FEA packages and CAD tools. To avoid ruining my work experience during my masters in the UK, I continued to work Remotely as a Mechanical Design Engineer [Team Lead] after Finishing a full-time job from April 2021 to September 2022. I have worked in DFMA research and development for our own electric scooter for three years During my BEng.

Experience

OCT,2021 – PRESENT: [FULL TIME - Remote - Weekdays]:

Mechanical Design Engineer (Team Lead)- Crafol, Tamil Nadu, India.

Led a high-performing design team by fostering a positive and innovative environment. Managed projects efficiently using the 8D-Model while ensuring client satisfaction. Promoted design excellence and growth by mentoring junior designers and staying current on industry trends. Shaped a strategic design vision that aligned with business goals.

APR 2021 – SEPT 2021 [FULL TIME – ON SITE]:

CAD Trainee - Crafol, Tamil Nadu, India.

Innovative product designer with expertise in automotive, furniture, solar PV, HVAC, and NPD. Skilled at creating new products, refining existing ones for efficiency, and utilizing FEA software for prototype development. Proficient in Catia, SolidWorks, and AutoCAD for creating and maintaining technical drawings. Strong research, communication, and record-keeping abilities ensure project clarity and success.

NOV 2022 – PRESENT 2021 [PART TIME - ONSITE - Weekends]:

Warehouse Operative - Yodel, England, UK.

- Scanning, sorting, and loading parcels.
- logistics management
- Inventory management.
- Excellent time management skills

Skills

Software Skills

• SolidWorks • CATIA V5/V6 • AutoCAD • MATLAB-Simulink • Ansys • Star-CCM • AVL-Cruise • PLCProgramming • MS Project • MS-office • Adobe Photoshop • Adobe After-Effects.

Other Skills

• Investigational Skills • Communication • Computer Literacy • Analytical Skills • Root Cause Analysis • Fault Finding • Problem Solving • Hardware Design • Structural Design • Team Management • Safety Regulations • Project Management • Staff Management • Report writing.

Education

2022-2024 / GRADE-2.1

MSc [MEng] in Automotive Engineering/University of Hertfordshire, England, UK

2017-2021 / GRADE-2.1

Bachelors [BEng] in Mechanical Engineering / MEPCO Schlenk Engineering College, Tamil Nadu, India

NPD [New Product Development] Academic Projects

- Design of Airborne sampler for agriculture [2023]
 - Designing and Fabrication of Electric Two-Wheeler [2019-2021]
 - Conception and Production of Semi-Autonomous Pearl Harvesting Underwater Drone [2021]
 - Fabrication of Fire Fighting Bot [2019]
 - MEP-EXPO 2019, Wall Climbing Robot [2020]
 - Underwater ROV with PVC [2018]
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Certifications:

- Complete course in CATIA V5.
 - MATLAB Simulink Zero to Hero.
 - Automotive Design.
 - Certification in Solid works.
 - Master PLC Programming.
 - Complete course in Adobe Photoshop CC.
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Skills match to Job Requirements:

Skills	Experience & Skills related to the Job Description.
Bachelor's degree in mechanical engineering.	Having a MSc in Automotive engineering and bachelor's in mechanical engineering.
3.3 Years of Experience in Design and Development.	Food, Pharmaceutical and Automotive industry experience: Crafola faced clients from food and pharma industries for designing of Cutter & Slicer, Depositor, conveyor, Packaging boxes, portable furniture, and in Automotive industry we design and generate FEA & CFD simulations for parts
	2D & 3D tools knowledge (Catia V5/V6, Solidworks): Learned during BEng and Developed to advanced level at Crafola .
	FEA Software Packages: Learned using the FEA packages in BEng and MSc and apply in Crafola .
	MathCAD Prime: Will use that for some design calculations to attain accurate results.
	Automotive DFM Experience: Designed and fabricated my Own Electric 2-Wheeler with LI-ion battery with BMS during BEng .
Leadership qualities and Taking control of projects.	Experienced in leading a design team of 12 members for the past 2 years.
Problem Solving Time and Management skills	Enhanced all my problem solving and management skills for the past 7 years since my BEng .
Experienced in using MS Project and MS Office.	All my previous projects were managed and handled by using MS project.
Project Management Qualification.	Currently working towards to secure Prince 2 certification and completed some of the modules in PMP Certification.
Knowledge of understanding of aerospace materials.	Having a good exposure in Material science by deciding material for components that I designed for the past projects.
Analysis and Report Checking.	Proper Design report will be developed for every project from initial R&D stage to the Development Stage.