

# DEEPAK CD

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Overall, 5 years of Experience in Product Design & Development of Automotive components (BIW).  
Part of **Citroen C3** Vehicle Launch Team (BIW).

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## CAREER OBJECTIVE

Enthusiastic and high energetic to work in a highly technical environment that helps to expand the scope of my knowledge and to emerge as an exemplary achiever in the technical field of my specific specialization and my technical experience in Auto design field.

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## CURRENT EMPLOYER

TATA Consultancy Service Ltd (June 2017 – Present)

Client : Stellantis (PSA)

Period : March 2020 to Present

Role : Senior Design Engineer

Location : Office – Chennai One , Plant – Thiruvallur

Software : CATIA V5 & V6, ENOVIA

### Responsibility:

- **Design Modification of Parts** such as Floor panels, Side Panels, Support Brackets, 6Airbag Packaging
  - **Product lifecycle management** of BIW components - ECO release for 3D & 2D release.
  - Providing **design change proposal** in CATIA V6 to team for the build issues closure.
  - **BOM** preparation and management. EBOM & MBOM alignment in PLM.
  - **Spot weld** management for Make Level and Buy Level assemblies.
  - **Drawing preparation** of BIW components using GD&T.
  - **Interface sheet** preparation of BIW parts for packaging sign off.
  - Interaction with other commodity stakeholders for packaging signoff.
  - **APQP** management for BIW Platform components in PLM.
  - **Coordinating with Supplier & Client** for Manufacturing, Assembly and Quality issue.
  - Support in finding the root cause for issues raised by **Quality, Assembly, Performance, Durability and Serviceability** team.
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Client : General Motors  
Period : Oct 2019 to March 2020  
Role : Design Engineer  
Location : Office – Bangalore  
Software : UGNX

**Responsibility:**

- Performed **1D Stack** using RSS calculation for various parts of the car (b/w interior trims and body panels, b/w CCB and IP, b/w body panels) etc.
  - Performed **2D Stack** using UGNX Drafting preferably for Car Engine (Bolt Stacks).
  - Design Modification of Support Brackets.
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Client : Mitsubishi Motors Corporation  
Period : Aug 2017 to Oct 2019  
Role : Design Engineer  
Location : Office – Pune  
Software : CATIA V5, ENICS, Macros, A2MAC

**Responsibility:**

- **Design modification of parts** such as Front Floor, Rear Floor, Side members and Support Brackets for Mitsubishi Triton, Outlander.
  - **1D, 2D Stack up Tolerance Analysis** of Interior and Body parts.
  - **Benchmarking** with respect to competitor vehicles to improve products.
  - Creation of **Part and Assembly** Drawing.
  - Creation of **Blank Layout** using FTA forming Tool to optimize material utilization and manufacturability of the part.
  - Recording the **Engineering change follow-up** sheet as per design changes occurring through the phase V1 to V2.
  - **A2MAC** data gathering for comparison study
  - Creation of **Macro** in Catia V5 and excel to minimize the working time. I have created Macros such as Automatic generation of Spot weld in biw parts, weight calculation of biw parts.
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Training : Initial Learning Program  
Domain : New Product Development  
Period : June 2017 to Aug 2017  
Role : Trainee  
Location : Office – Trivandrum

**Responsibility:**

- Training on new product development process, CAD tools

- Prerequisite training on Enovia which included BOM Management, Part management, workflow management, etc.,
  - Training on Business skills, Professional transformation, Professional grooming, Team working skills, etc.,
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## **AREA OF INTEREST**

- BIW
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## **SOFTWARE PROFICIENCY**

- CATIA V5/V6, UNIGRAPHICS, SOLID WORKS
  - ENOVIA
  - A2MAC
  - Macros (Catia V5 & Microsoft Excel)
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## **ACHIEVEMENTS**

- Completed a **PI** for **MMC** Account
  - Got **Best Case Study Award** in ILP
  - Secured **2<sup>nd</sup> place** in **Mr.Mechanic**(Engine Assembly of both 2 and 4-wheeler) event in FIRST GEAR '13
  - Won **1<sup>st</sup> place** in the event **Aero Quiz & Paper Plane** in TECHBASH '14
  - Secured **2<sup>nd</sup> place** in **Technical(Auto) Quiz** event in ASPIRANZ 2K13
  - Completed 8 levels in Hindi Language (Prachar Sabha)
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## **INTERNSHIP**

- Have undergone **30 Days** Internship at **CASTWEL AUTOPARTS PRIVATE LIMITED**, Thirumudivakkam, Chennai.
  - Have undergone **5 Days** Internship at **ASHOK LEYLAND PRIVATE LIMITED**, Kathivakkam, Chennai.
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## ACADEMIC PROFILE

Course	Institution	Year of Passing	Percentage of Marks
M.E. Energy Engineering	PSG College of Technology (Affiliated to Anna University)	2017	78.6
B.E. Mechanical Engineering	KPR Institute of Engineering and Technology	2015	72
XII	Perks Matriculation Higher Secondary School	2011	79.08
X	Perks Matriculation Higher Secondary School	2009	85.8

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## PERSONAL PROFILE

- Father's Name : Mr. S. Dhandapani
- Date of Birth : 18March1994
- Permanent Address : 78, Pappammal Layout, Ramanathapuram, Coimbatore-641045
- Marital status : Married
- Languages known : Tamil, English, Hindi (Read & Write)

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## DECLARATION

I, **C.D.Deepak** solemnly declare that all the above-furnished details are true to the best of my knowledge.

**C.D.DEEPAK**