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# DESIGN ENGINEER

### *Air Intake systems*

**Objective:**

Seeking a technically rewarding career allowing for a direct application of engineering fundamentals.

**Career summary:** Backed with a 20 month industry experience in automotive design as a design engineer I have a strong background in machine design with professional experience and expertise in CAD. I also possess Autodesk Certifications in AutoCAD and have worked with CATIA V5 and NX 6. I have been associated with teaching engineering graphics and CAD fundamentals to undergraduate engineering students.

**Job Skills:**

* An Experienced CAD designer with professional certifications in modeling, drafting and AutoCAD. Extensive experience in CATIA, NX (Unigraphics).
* Strong Mechanical experience with hands on in design and prototype manufacturing.
* Excellent Personal Communication skills. (was the CAD instructor at CADD Centre Bangalore)
* Project management skills: Was part of the R&D team at Mann Hummel Filters
* Adaptability and tolerant to stressed situations.

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| Professional Experience |

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| **CADD CENTRE TRAINING SERVICES PVT LTD.** | **Dec 2009-Feb 2010** |
| **Designation: Engineer – Customer Care** |  |

Recruited to train engineering undergraduates in CAD fundamentals and engineering graphics. Have imparted training to **“BOSCH INDIA”** on AutoCAD. Primarily trained students on AutoCAD 2010 and Solid Edge.

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| **MANN AND HUMMEL FILTERS PVT LTD.** | **Apr 2010 – Sep 2011** |
| **Designation: Design Engineer (Automotive R&D)** |  |

Responsibilities included development and 3d design of air intake manifolds, and AIS(Air Intake Systems) for trucks,

Subjecting the 3d designed data to **CFD** testing and production of approved models for prototypes for on field testing.

Designing was done solely on **CATIA V5 & NX.**

**Selected Achievements.**

* Mann Hummel was awarded the business by ASHOK LEYLAND to provide the AIS systems for its series of NGC (Next Generation cabs) trucks. I was responsible for the initial design and CFD of the Snorkel and rubber bellow of the AIS. Design was completed in roughly 5 months.
* Aided in design of the routing for the turbocharger connector and clean side ducting for the TATA World Truck (5 – liter series).
* Was part of the core team for a Benchmarking project of Intake manifolds of various Indian passenger cars to compare performance and efficiencies.

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| Projects |

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| * Final Year B.E Project – Was a SQC project titled “ **REDUCTION IN THE REJECTION RATE OF AXLES”** was carried out under the purview of Indian Railways and consisted of determining the assignable causes for rejections in the axles occurring during the manufacturing process and using QC tools (Ishikawa and attribute control (P chart only) ) to suggest remedial measures to minimize rejection. * Technical Seminar (7th semester B.E) was on “**the application of composite materials in the aerospace industry”.** |  |

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| Education |

* **Currently pursuing M.Tech (Tech and Development) at IIT Bombay.**
* **B.E Mechanical Engineering (2005-2009). (62.12% overall)**
* **XII (Karnataka State Board) 2005. (68.86%)**
* **X (ICSE) 2003 (86.00%).**
* **Pursuing a Second B.Tech in Aeronautical Engineering from the aeronautical society of India, New Delhi (Section A & Section B).**

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| Certifications |

* **Autodesk Professional Certification in AutoCAD 2010.**
* **National Certificate in modular employable skills in drafting and modeling.**
* **Proficiency Programme in “Vehicle Concept Design” (MS RAMAIAH SCHOOL OF ADVANCED STUDIES).**

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| Professional Affiliations |

* Aeronautical Society of India (Student Member).

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| Hobbies and other activities |

* A guitarist for over 5 years I have represented my college in the VTU intercollegiate fest in the western group singing competition.
* I enjoy speed cubing and have been able to solve cubes upto 7X7X7.

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