

AMRIT RAJ (B.TECH)
Mechanical Design Engineer (Deputy Manager)

Permanent Address: - 803/804 'M' Block, 60 Ft. Church Road, Rawatpur
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Wagholi, Pune, Maharashtra, PIN - 412207

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OBJECTIVE

Rendering my knowledge and experience in a challenging atmosphere wherein my skills would prove useful and beneficial for the growth of the company and myself.

PROFESSIONAL SUMMARY

- B.Tech. Mechanical Engineer currently working with Yazaki India Private Limited, Pune having experience over 7+ Years in product design & development in automotive domain.
- Designing package knowledge: Catia V5 R19/ Catia V5 R22, Catia V5 R25 Auto CAD, Pro-e/wildfire 4.0 & 6.0 and Uni-Graphics 7.5, Solid works, Abaqus.
- Master in CAD CAM at MSME, CTTC (Central Tool Room & Training Centre) <http://www.cttc.gov.in>
- Problem solving and sound decision making capabilities with excellent communication and interpersonal skills.
- PLM: Smart team, Team center

WORKING EXPERIENCE (7 + Years)

Yazaki India Private Limited (www.yazaki-group.com)

Deputy Manager

(June 2018 - Till Date)

Working as a Deputy Manager in R&D of Yazaki India Private Limited, Pune, It is the Group company of the Yazaki Corporation, Japan.

Roles and Responsibilities:

- Managing the team of 6 Engineers who are working for the components design team.
- Conducting research on feasibility study, product designing, operations and performance of mechanisms, components and systems.
- Planning and managing various design projects including preparation and evaluation of material cost, time estimation, projects reports and design specifications for machinery and systems.
- Design check & Drawing Check of component.
- New Concept & Component design as per specific customer requirement.
- New Ideas creation and innovations for New Product design concept as well as patent.
- Design Review & Validation for the New Product Development.
- Design and Development of plastic and Rubber Parts (Grommet, Clamp, Connectors, Protector etc).
- Automotive Reverse Engineering, Technical Support.
- Detailing of the products for final Parts and Tools manufacturing. Using GD&T symbols in drafting to define the relationships between part features and measurement references.
- Part Modeling, Surfacing, Assembly and Drafting, and Analysis by CATIA-V5 R-25.
- Mechanical Design Calculations. FEA by Using the Abaqus.
- Doing study of chassis design and vehicle Integration.

Worked as a Sr. Product Design Engineer in R&D of Motherson Sumi Systems Limited, Noida. It is the flagship company of the Samvardhana Motherson Group and was established in 1986. It is a joint venture between Samvardhana Motherson Group and Sumitomo Wiring Systems (Japan).

Roles and Responsibilities:

- New Concept & Component design as per specific customer requirement.
- New Ideas creation and innovations for New Product design concept.
- Design Review & Validation for the New Product Development.
- Design and Development of plastic and Rubber Parts (Grommet, Clamp, Connectors, Protector etc).
- Automotive Reverse Engineering, Technical Support.
- Detailing of the products for final Part and Tool manufacturing.
- Part Modeling, Surfacing, Assembly and Drafting, and Analysis by CATIA-V5 R-25.
- FEA study using the Abaqus.
- Mechanical Design Calculations.
- New Ideas creation and innovations for patent.
- Using the GD&T symbols in drafting to define the relationships between part features and measurement references.
- Having the study related with chassis design and vehicle Integration.

Worked as a Design & Development Engineer (R&D) at Quadrant EPP Surlon India Limited, widely recognized as manufacturer of Metalon products .It also produces an exhaustive range of Engineering Plastic Products, machined and injection molded parts in various plastics for eminent companies such as JCB, Escorts (ECEL), Ashok Leyland John Deer (AJDL), Sonalika tractor, ACE cranes & semi-finished shapes like rods, tubes/pipes, sheets/plates of plastics. It is a joint venture with quadrant plastics, Switzerland ()

Roles and Responsibilities:

- Design and Development of plastic and sheet metal products.
- Automotive Reverse Engineering, Technical Support.
- Working on PPAP, SPC, MSA, FMEA format for the purpose of new product development.
- Part Modeling, Surfacing and Drafting by CATIA-V5 R-19.
- Assembly Using CATIA Tool.
- Drafting on Auto-CAD.
- Mechanical Design Calculations
- Reverse Engineering, Technical Support, Focusing technicality to maximize productivity and profit.
- Introducing efficient production & planning to maximize the company output
- Making sure the production is cost effective and feasible to the company.

PROFESSIONAL QUALIFICATIONS

B. Tech.-Mechanical Engineering with **70%** from **Ajay Kumar Garg Engineering College, Ghaziabad** in Year 2011 affiliated at **Gautam Buddh Technical University (UPTU)** &Approved by A.I.C.T.E.

ACADEMIC QUALIFICATIONS

- **B.Sc. (Statistics)** Passed in 2008 with **62.05%** from **P.P.N. PG College Kanpur Uttar Pradesh** affiliated at **C.S.J.M. University Kanpur (U.P.)**.
- **10+2th** Passed in 2005 with **68.20%** from **BNSD Inter College Kanpur / UP Board, Allahabad (U.P.)**
- **10th** Passed in 2003with **71.5%** from **R.K. Mission Higher Secondary School Kanpur /UP Board, Allahabad (U.P.)**

(Remark: There is never gap and never backlogs in my study.)

CERTIFICATIONS

- Certificate in Computer-Aided Design Using AutoCAD in 2010
- Certificate in Pro/ ENGINEER Wildfire 4.0 in 2010
- Master in CAD CAM at MSME, CTTC (Central Tool Room & Training Centre) (www.cttc.gov.in)

INDUSTRIAL TRAININGS

- **Ordinance Factory, Kanpur** Uttar Pradesh-QC (M) Division in June 2009.
- **Ordinance Factory, Kanpur** Uttar Pradesh-CTR Section in June 2010.
- Workshop attended on “**Industrial Robotics**” sponsored by **TIFAC, Department of Science & Technology, and Government of India**. It includes Introduction to Robotics, Robot programming concept, Hands-on Practice on Aristo Robot and NXT-G & Work Space (Robotic Software)

PROJECT WORK

- Project '**CONVEYOR & SORTATION SYSTEM**' done at AKGEC, Ghaziabad, and role performed as a Team Leader. (Designing, Modeling, Fabrication Model Stands and Assembling of Components).
- Project '**DESIGN OF ROLLER FIXTURES**' of **Bharat Heavy Electricals Ltd (BHEL)** taken by VATEK Engineering and done at AKGEC, Ghaziabad. The project was designed by using 'Pro/E Wildfire 4.0'.

COMPUTER KNOWLEDGE

- Computer Basics
- Application Package : MS-Office (MS Word, MS-Excel, Power Point)
- Operating Systems : Windows XP, DOS
- Basics of C Programming Language

EXTRA CURRICULAR ACTIVITIES

- VIBRATIONS 2009 **Certificate of Appreciation Award** as Second Position for the event 'Gestures' & Appreciation Award as Chief Guest Appearance for the event 'Melodrama'.
- **Certificate of Participation in Workshop** on Robotics by TIFAC- Center of Relevance and Excellence.
- **Certificate of Blood Donation** in February' 2009 & February 2010 from Rotary Blood Bank, New Delhi.
- Certificate of Participation in Essay Writing Competition 2003.
- **Pratibha Samman Samaroh Award** by Akhil Bharatiya Vidyarthi Parishad in 2003.
- Awards obtained for Badminton sport at School.
- Executive member of organizing committee at School label and college Label.

PERSONAL DETAILS

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| Father's Name | : | Mr. Dhurai Yadav |
| Date of birth | : | 11/07/1989 |
| Sex | : | Male |
| Marital Status | : | Single |
| Nationality | : | Indian |
| Hobbies | : | Playing Cricket, Listening to Music, Swimming |
| Language Proficiency | : | Hindi & English |
| Passport Status | : | Available |
| Visa Status | : | B1/B2, USA (Valid for 10 years) |

DECLARATION

I hereby declare that above mentioned information is true to the best of my knowledge & belief.

Date: ____/____/_____
Place: _____

(Amrit Raj)