

» EXPERIENCE

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**Apollo Tyres Global R&D | Designer \ Enschede, The Netherlands | Aug '17 – Present**

- Leading a multi-departmental technology project for a new tire feature and responsible for product performance, risk assessment, feasibility & planning; Preliminary testing showed a 20% gain in snow performance.
- Principle designer of a High Performance tire including parametric design and design language development; Achieved project targets with only 2 prototypes using improved simulations; Developed a new method to randomize the pattern on the tire.
- Responsible for external collaborative design projects, developing in-house 3D printing knowledge and facilitating internal creative sessions in product development and technology teams.

**Apollo Tyres Global R&D | Jr. IP Researcher \ Enschede, The Netherlands | Aug '17 – Jan '18**

- Co-responsible for the maintenance of the IP portfolio with 5 months of full responsibility; Generated monthly patent reports, scheduled and chaired IP Board meetings, coordinated the filing of 3 patent applications and 2 design registrations.
- Co-developed and partially implemented a training plan in IP for new employees.

**Apollo Tyres Global R&D | Trainee \ Enschede, The Netherlands | Aug '16 – Jul '17**

- Executed a design of experiments to compare different methods of designing tires; Conclusions are incorporated in the Apollo Design Guide.
- Designed a mood board and a design style framework for an Ultra High Performance tire.

**Freelance Designer \ The Netherlands | Jan '16 – Jul '16**

- Provided concept design, CAD modeling, product render and animation services on projects involving industrial drones, home electric charging stations and light-weight transport solutions.

**Advanced Embodiment Design | Teaching Assistant \ Delft, The Netherlands | Jul '14 – Jul '15**

- Responsible for coordinating project acquisition from companies and institutions for the course including structuring the project proposal evaluation system.
- Designed the course brochure.

**IDE Compass | Content Writer \ Delft, The Netherlands | Nov '13 – Jun '14**

- Contributed to 2 editions of the faculty magazine for current and future international students with interviews and articles with advice & how-tos.

» EDUCATION

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**Technische Universiteit Delft | Delft, The Netherlands**

**Master of Science, Integrated Product Design | Sept '13 – Sept '15 | GPA – 7.56/10**

**National Institute of Technology Karnataka | Surathkal, India**

**Bachelor of Technology, Mechanical Engineering | Jul '08 – May '12 | GPA – 7.23/10**

» PROJECTS

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**Van Raam | Graduate Intern \ Mar '15 – Sept '15**

- Designed an electric cargo bike in an individual design project covering planning, field research & analysis, ideation, conceptualization, ergonomic & usability analysis, modeling & prototyping, structural analysis, and costing.

**Unilever R&D | Disruptive Innovation Intern \ Sept '14 – Jan '15**

- Designed an interactive public installation as a new demo tool to communicate the benefits of laundry products.
- Responsible for scheduling and communication with all the stakeholders; Co-lead the team in the final third of the project, involving modeling and prototyping.

### **Zodiac Aerospace | Technical Designer \ Feb '14 – Jun '14**

- Designed a human-contour based business class aircraft seat in a team of 6.
- Analyzed empirical research data on comfort to determine the preferred experience of users; Designed and analyzed the structural mechanics of the seat in Solidworks; Built a demonstrable prototype.

### **CRISP – SELEMCA lab | Concept Designer \ Sept '13 – Jan '14**

- Designed a concept to help enhance the professional care of elderly with dementia in nursery homes with services of 'care'-droids.
- Researched daily activity scheduling in day care homes, analyzed the data for intervention touchpoints, developed a product service system around the concept and performed user tests with a prototype to validate the use cues.

### **CPDM, IISc | Junior Research Fellow \ Jun '12 – Jul '13**

- Worked on two projects for the Dept. of Biotechnology, Govt. of India to design and improve medical aid equipment.
- Evaluated functional improvements to a collapsible stretcher in the Indian context; Improved the existing lock-release mechanism for better ergonomics.
- Experimented with different materials and flow patterns of an air bed to complement an existing patient transfer device.

### **CPDM, IISc | Research Intern \ May '11 – Jun '11**

- Contributed to the Innovation Knowledge Portal, a comprehensive guide for designers on the various stages of new product development; Responsible for identifying, collating, detailing and documenting the various methods in the Task Clarification and Conceptual Design phases of the design process.

## » SKILLS

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**Design \ Methodology, Research, Sketching, Facilitation, Conceptualization, Ergonomic Evaluation, User Testing**

**Engineering \ Data Analysis, Mechanical Analysis, Product Data Management**

**CAD \ Creo Parametric, AutoCAD, SolidWorks, Rhinoceros**

**Graphics \ InDesign, Illustrator, Keyshot**

**Prototyping \ 3D Printing - PLA/TPU, Workshop - Metal/Wood, Cardboard/Paper**

**Languages \ English - Full Professional, Dutch - Intermediate, Kannada - Native, Telugu - Native, Hindi - Native**

## » COMMUNITY & LEADERSHIP

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### **Tankstation Cultureel Volpunt | Cook \ Enschede, The Netherlands | Jan '17 – Present**

- Volunteer in the kitchen; Head chef on 2 occasions - once to prepare a 3-course dinner and another time for a local art & culture festival serving food to 300 attendees.

### **Futury - Master Association | Treasurer \ Delft, The Netherlands | Mar '14 – Feb '15**

- Founding member; Responsible for drawing budgets for activities; Hosted the first Master Day for 100 new students in the program; Co-ordinated workshops on 3D printing, video editing and injection molding.

### **Inwijs | International Student Coach \ Delft, The Netherlands | Jun '14 – Aug '14**

- Mentored a group of 30 Master students in a project and guided them in setting up life in a new city and study environment.

### **Placement Coordinator | Mechanical Engineering \ Surathkal, India | Apr '11 – May '12**

- Linked companies with students to clarify the expectations and requirements around recruitment.

## » HONORS

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- Top 3 Exceeding Achievers in R&D department, '18 – '19
- Head Chef, Allée Rentrée Festival, Sept '19
- Second fastest company team - Half Marathon, Enschede Apr '18