



NINAD SHITOOT

Innovator & Design Engineer



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About me

I am an engineer, innovator and a problem solver at heart. With over 8 years of experience in Product Design and Development, I have worked on multiple innovation projects with start-ups as well as large corporations. Using nature's expertise as guidance, I design radical and impactful solutions to drive us towards a sustainable future.



Professional Skills

- Product Design & Engineering
- Biomimicry (Certified)
- User ergonomics (Researcher)
- Product prototyping
- Design process methodologies



Tools

- CAD & Rendering (CATIA, Solidworks, Siemens NX, Rhinoceros, Keyshot)
- Adobe Suite (Photoshop, Indesign, Illustrator, After Effects, Premiere Pro)
- Programming (COBOL, Java, C, HTML, SQL)
- Others (Arduino, Matlab, Corel Painter, Discovery Live, Ansys)



Languages

- English
- Hindi
- German



Interests



Experience

Senior Design Engineer (New Product Innovation - Floorcare)

Dyson Ltd | Malmesbury, UK | August '19 – Present

- Developed fully engineered products considering performance, materials and manufacturing to assist further development.
- Designed and improved ideas continuously through research, prototyping, testing, user trials and feedback.
- Led the ergonomic strategy and design for floorcare stick vacuum cleaners.
- Explored new materials, technologies and design methodologies such as Biomimicry and apply them to improve future products.
- Learned and used latest tools for digital design and engineering.
- Collaborated with various commercial teams for new product insights.

Industrial Design Engineer

Carice B.V. | Leiden, Netherlands | October '18 – July '19

- Designed and engineered various parts, mechanisms and materials of an electric car for manufacturing.
- Explored innovative techniques for optimization of development.

Head of Product Development

M-TEK Engineers | Pune, India | June '13 – August '16

- Managed a team of designers, engineers and fabricators to execute multiple product development projects.
- Drove the design & development of multiple automotive products from concepts to production.



Education

Master of Science (Integrated Product Design)

Delft University of Technology | Delft, Netherlands | 2016 – 2018
Graduation grade - 9

Bachelor of Engineering (Mechanical)

Amravati University | India | 2007 – 2011
Graduated first class with distinction



Achievements

- Project showcased at Dutch Design Week '18
- Published research paper on footwear ergonomics – Elsevier '18
- Project showcased at Toyota Internal Exhibition '18
- Managed company exhibit at Auto Expo '15 (Asia's largest auto fair)



Others

- Student assistant – TecDoc Solidworks for Bachelor (TU Delft - 2017)
- Freelance CAD designer – Railway Museum (Pune - 2015)