

Aman Dalal

Being an industrial designer and a mechanical engineer

I am always enthusiastic to take up challenging projects at the wonderful intersection of these fields.

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Education

Delft University of Technology Delft, The Netherlands	2018 - 20
M. Sc. Integrated Product Design	
BITS Pilani K. K. Birla Goa Campus Goa, India	2014 - 18
B. E. (Hons.) Mechanical CGPA 9.0/10	
Nalanda International School Vadodara, India	2014
Grade 12 - Indian School Certificate 95/100% School Topper	

Experience

Pearl Advertising Vadodara, India	Feb 2018 - Aug 2018
<i>Industrial Designer</i>	
<ul style="list-style-type: none">• Worked on a packaging design project for a beverage company from product ideation to manufacturing	
National Institute of Design Ahmedabad, India	May 2017 - Dec 2017
<i>Research Intern</i>	
<ul style="list-style-type: none">• Designed a Collapsible Human Powered Vehicle for urban use• Achieved a product solution for the last-mile problem linked with public transport• Proposed Street Furniture and Signage System for Vaishnodevi route, Jammu and Kashmir	
Pixelworks Vadodara, India	Jun 2015 - Aug 2018
<i>Co-founder</i>	
<ul style="list-style-type: none">• Started a design firm which renders visual design services• Served 30+ satisfied clients across Gujarat, Maharashtra, Karnataka, West Bengal, and Goa including a \$100M enterprise and a Government of India funded startup	
Tata Technologies Ltd. Pune, India	May 2016 - Jul 2016
<i>Summer Intern</i>	
<ul style="list-style-type: none">• Project on study of Exterior Trims Design of passenger cars• Designed the benchmark Tata baseplate and bumper side brackets for Tata Tiago, a 2016 Indian Hatchback	
CrossCharge Technologies Pvt. Ltd. Goa, India	Feb 2016 - May 2016
<i>Product Designer</i>	
<ul style="list-style-type: none">• In charge of designing and prototyping Hitch, a security tag that uses bluetooth to keep track of your belongings• Launched in Mumbai and Pune markets in Aug 2016	

Skills

Used most often SolidWorks | KeyShot | Adobe Creative Suite | Autodesk Sketchbook | Hand Sketching
Used in projects CATIA | PTC Creo | SketchUp | AutoCAD

Positions of Responsibility

Team Greasemonkeys, SAE Supra 2016	Oct 2015 - Jul 2016
<i>Aerodynamics Lead</i>	
<ul style="list-style-type: none">• Designed and manufactured Sieg 2.0, a formula racecar• Worked with a 25-student team to compete in SAE Supra 2016 at Buddh International Circuit, Greater Noida	
Department of Mechanical Engineering, BITS Goa	Aug 2016 - May 2017
<i>Teaching Assistant</i>	
<ul style="list-style-type: none">• Assisted students in lab and planned course theory for two academic courses: Production Techniques I and Mechanical Engineering Lab	

Department of Publicity and Public Relations

Aug 2014 - Dec 2015

Publicity Manager

- Led a 9-member team in charge of the reputation and publicity of Waves '15 the cultural festival of BITS Goa which ranks among the top 5 college fests of India and receives participation from over 100 colleges

Cubix BITS Goa Jan 2015 - Aug 2015

Co-founder

- Formed and structured Cubix, the officially recognized Rubik's cube club of BITS Goa
- Organized World Cubing Association competitions twice in 2015

Quark Controls

Aug 2015 - Aug 2016

Core Member

- Administered workshops and contingents during Quark '15, the technical festival of BITS Goa

Academic Projects

Finite Element Mesh Generation | Dr. G. Karthikeyan

Jan 2016 - May 2016

- Assessed Meshing Techniques used in Finite Element Analysis
- Established efficient methods to preprocess a variety of geometries using MATLAB

Incremental Forming | Dr. G. Karthikeyan

Aug 2016 - May 2017

- Simulated Single Point Incremental Forming process using Hypermesh Radioss module
- Used CNC Milling Machine for practical experimentation and comparison with simulated results

Achievements

Holland scholarship and Faculty scholarship | Dutch Ministry of Education, Culture, & Science, TU Delft

Apr 2018

- Awarded the Holland scholarship for living expenses and TU Delft Faculty scholarship for tuition fees at TU Delft

Early Graduate | BITS Goa

Jan 2018

- Fulfilled undergraduate degree requirements one semester in advance of the regular duration

2-time 1st Prize Winner | Design War

Jan 2016 - Jan 2017

- Ranked first out of 40+ participants in D-War, an open-to-all CAD contest in Department Week, BITS Goa

1st Prize Winner | Vehicle Dynamics and Design

Aug 2015 - Nov 2015

- Ranked first out of 21 participants in the course conducted by Center for Technical Education, BITS Goa

Shortlisted Entrant | KE Prize

Jul 2017

- One of the 30 ideas shortlisted for the final round out of entries received from all over India for KE Prize, a competition to transform shredded demonetized Indian currency notes into something with value

Professional Musician | Bal Gunjan Garba Mahotsav

Aug 2003 - Nov 2009

- Keyboardist for Navratri, a 9-nights folk dance festival celebrated every fall in India
- Performed live for crowds of upto 5000 people in Vadodara and Ahmedabad every Navratri for 7 consecutive years
- Received recognition as Youngest Child Artist of Vadodara city by numerous newspapers, magazines, and television media

Volunteering Experience

- Conducted a free skateboarding workshop for rural kids and college students at the biggest inter-collegiate sports festival of India, Spree 2017 Mar 2017
- Contributed as an external volunteer multiple times in Nirmaan Organization's Cloth Collection Drive and Joy of Giving Week at BITS Goa 2014 - 17
- Taught a class of 50 students daily at an elementary school in Khanpur, Gujarat Jul 2013 - Aug 2013

Interests

Product Design for Sustainable Development

Competitive Sports | Calisthenics | Ukulele | Reading | Travel Photography | Urban Sketching

Languages

English (fluent, IELTS 8/9) | Hindi (fluent) | Gujarati (mother tongue) | Dutch (elementary)