

Arvind Bhallamudi

Multidisciplinary Designer, Engineer and Strategist

I focus on industrial design, emerging technologies and customer experience; exploring avenues to build novel, affordable and sustainable solutions.

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📍 Providence, RI

WORK EXPERIENCE

Founder / Dimiour Design

Sep 2019 - Present, Mumbai

Assembled a 3D printer and started a venture providing services and educational consultancy in industrial design, CAD and 3D printing. Launched an e-commerce shop for custom consumer products.

Implemented systems for operations, marketing and sales. Formed and led a five-person team comprising a project manager, graphic designer and interns. Delivered 600+ 3D printed parts to individuals and businesses across India.

Product & Innovation Lead / Curiosity Gym

Mar 2020 - May 2021, Mumbai

Product Analyst: Project lead responsible for software design, specifications, vendor management, testing and deployment.

Design Instructor: Conducted online courses, design thinking workshops and mentored school and college students on innovation projects.

Product & Web Designer: Designed and fabricated science exhibits, COVID-19 equipment. Developed the company website's interface and experience.

Freelance Product Designer / National Institute For Interdisciplinary Science And Technology

June - Sep 2019, CSIR Trivandrum

Designed the CAD layout and dashboard interface of an IoT-based foundry.

Product Development Intern / Biomedical Engineering & Technology Innovation Center

Jan - June 2018, IIT Bombay

Developed and prototyped a transfemoral prosthesis, heart valve surgery tool and glaucoma screening device.

Product Design Intern / IDC School of Design

June - July 2017, IIT Bombay

Created a lightweight and eco-friendly cane palki (rattan palanquin) to reduce the load carried by pilgrim porters.

PATENTS

Headgear Ophthalmic Device

Symbiosis International University, 2020

International patent published / #WO2020141499

Multi-Directional and Multi-Functional Lighting Assembly

Solo project, 2019

Indian patent filed / #201921050663

EDUCATION

Rhode Island School of Design, Providence, RI

Master of Industrial Design
Expected 2023

Symbiosis Institute of Technology, Pune, India

Bachelor of Technology,
Mechanical Engineering
CGPA 7.0, 2015- 2019

SKILLS

Industrial Design

CAD (Solidworks/Fusion360/ AutoCAD), Rendering (Visualize/ Keyshot), Rapid Prototyping

Manufacturing

CAM, DfAM (Meshmixer/Cura), 3D Printing, Laser Cutting, CNC, Workshop Practices

UI/UX Design

Design Thinking, User Research, Wireframing (Adobe XD/Figma)

Business

Venture Design, Leadership, Systems Thinking, Project Management (MS Office)

Digital Marketing

Web Design (Wix/Wordpress), SEO, SEM, SMM (Analytics/ Ads/Search Console)

Teaching

Curriculum Design, Content Creation, Lectures, Workshops, Mentoring, Assessment

Multimedia

Photography, Videography, Audio Processing and Production

Languages

English, Hindi (full proficiency)
Telugu (speaking)

CONFERENCES

Industry 4.0 and Advanced Manufacturing

Indian Institute of Science, Jan 2022

'Fostering a Creator Ecosystem in Education using 3D Printing during the Digital Transformation' submitted.

International Conference on Research into Design

IDC School of Design, Jan 2021

'Design and Prototyping of a Novel Head-Mounted Ophthalmic Device for Monitoring Glaucoma' published in Springer 'Design for Tomorrow'

Conference on Indian Patents, Copyrights, Innovations & Startups

Pimpri Chinchwad College of Engineering and Research, Feb 2021

'Product Development & Patenting: Design for UX in Healthcare'

Student Conference on Conservation Science

Indian Institute of Science, Sep 2016

HONORS & AWARDS

Mentor at Medical Device Hackathon

Biomedical Engineering & Technology Innovation Center, IIT Bombay, 2021

Mentored an interdisciplinary team to design a haptic feedback system in robotic laparoscopy surgery that won 'Most Ingenious Design Award'.

Mentor at Design Thinking and Product Design Programs

SP Jain Institute of Management and Research, Mumbai, March 2021

Conducted a series of workshops for 200+ PGDM management students on 'Product Design & 3D Printing' and mentored a course on 'Design Thinking'.

Most Distinguished Paper Award

International Conference on Research into Design, IIT Bombay, Jan 2021

Awarded for the paper and presentation titled 'Design and Prototyping of a Novel Head-Mounted Ophthalmic Device for Monitoring Glaucoma'.

Indian Karting Championship

INDKC Kolhapur, National Level, Jan 2019

Ranked 8th out of 138 teams at a competition for designing, manufacturing and racing of Go-Karts.

New-Zealand India Sustainability Challenge

KJ Somaiya College of Engineering, Mumbai, Sep 2017

Presented a mess facility mobile application for campuses, enabling sustainable consumption and recycling.

Limca National Record

Limca Book of Records, India, 2013

Maximum individuals solving a Rubik's cube within a stipulated time.
My speeds - 2x2 cube at 23 seconds, 3x3 cube at 54 seconds

CERTIFICATIONS

Product Design:

Delft Design Approach

TU Delft, Coursera, 2020

Strategic Thinking

Project Management Institute, LinkedIn, 2021

Advanced Google Analytics

Google Digital Academy, Skillshop, 2020

E-Summit Workshop: Entrepreneurship

E-CELL, IIT Bombay, 2016

Camera Control

Michigan State University, Coursera, 2017

1 km Swimming Course

Gymkhana, IIT Bombay, 2009

INTERESTS

Wildlife Photography

Traveled across 10+ states in India to observe and photograph indigenous endangered species.

Music Composition

Composed and produced 4 electronica tracks, released on streaming services including Spotify and Apple Music.

Architecture

Designed a floor plan and equipment layout for a Makerspace lab.

3D Animation & VR

Explored Blender for character design, texturing, rigging, animation and 360° rendering.

Other

Reading, Meditation, Physics, Astronomy, Paleontology, Parkour, Badminton, Basketball