

## Experience

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- **Research Associate** Jan. 2019–Present  
*Imperial College London* London, UK
- **R&D Staff Engineer** Jan. 2018–Nov. 2018  
*Onnet Systems* Bangalore, India
- **Project Associate** Jan. 2015–Dec. 2016  
*Centre for Product Design & Manufacturing, Indian Institute of Science* Bangalore, India
- **User Interface Designer** Jul. 2009–Dec. 2009  
*Infosys Technologies* Bangalore, India

## Education

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- **PhD in Engineering (An Integrative Approach to Vision Simulations using Digital Human Models)** Jan. 2010 – July 2018  
*Centre for Product Design & Manufacturing, Indian Institute of Science (IISc)* Bangalore, India
- **Bachelor of Technology in Information & Communication Technology** Aug 2005 – May 2009  
*Dhirubhai Ambani Institute of Information & Communication Technology* Gandhinagar, India

## Publications

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- **The effectiveness of virtual reality trainings – A case study with chemical engineering students:** ChemEngDay UK (2022). [➔\[URL\]](#)
- **Using augmented and mixed reality to support fluid dynamics education:** ChemEngDay UK (2022). [➔\[URL\]](#)
- **Fluid mechanics education using a mixed reality approach:** Bulletin of the American Physical Society (2021). [➔\[Abstract URL\]](#)
- **Visualizing time varying complex CFD flows in Virtual Reality:** Bulletin of the American Physical Society, Volume 65 (2020). [➔\[Abstract URL\]](#)
- **Visualizing CFD data in 3D augmented reality as an extension of 2D figures in scientific publications:** Bulletin of the American Physical Society, Volume 65 (2020). [➔\[Abstract URL\]](#)
- **A GPU accelerated Lennard-Jones system for immersive molecular dynamics simulations in Virtual Reality :** In HCI International Conference on Virtual, Augmented & Mixed Reality, Denmark (2020). [➔\[Paper URL\]](#)
- **Does Immersive VR Increase Learning Gain when Compared to a Non-immersive VR Learning Experience? :** In HCI International Conference on Learning & Collaboration Technologies, Denmark (2020). [➔\[Paper URL\]](#)
- **Use of Multi-sensory Immersive Technologies in Fluid Dynamics Education :** Bulletin of the American Physical Society, Volume 64 (2019). [➔\[Abstract URL\]](#)
- **Towards Gamified Learning in Immersive Teaching of Fluid Mechanics :** Bulletin of the American Physical Society, Volume 64 (2019). [➔\[Abstract URL\]](#)
- **An Integrative Approach to Vision Simulations using Digital Human Models:** Ph.D. Thesis (2018). [➔\[Thesis URL\]](#)
- **A functional vision based human simulation framework for complex social system design:** International Journal of Design Sciences & Technology (2016). [➔\[Paper URL\]](#)
- **Modeling visually guided hand reach for Digital Human Models:** In AHFE International Conference on Digital Human Modeling & Simulation, Las Vegas (2015). [➔\[Paper URL\]](#)
- **Visual Behavior Analysis of Human Performance in Precision Tasks:** In HCI International Conference on Engineering Psychology & Cognitive Ergonomics, Los Angeles (2015). [➔\[Paper URL\]](#)
- **Legibility assessment for functional vision of DHM using differential acuity:** In International Conference on Tools & Methods of Competitive Engineering, Budapest (2014). [➔\[Paper URL\]](#)

## Professional Services

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- **2022:** Program Committee 8<sup>th</sup> International Conference of the Immersive Learning Research Network. ➡[\[Event URL\]](#)
- **2022:** Board Member 16<sup>th</sup> International Conference on Augmented Cognition. Organiser of a parallel session titled “Eye-Tracking, BCI, and Wearables in VR, AR and MR for Training and Education” ➡[\[Event URL\]](#)
- **2021:** Research Projects (2) in virtual reality, mixed reality and augmented cognition to four students from Chemical Engineering Department of Imperial College London.
- **2021:** UNICEF Twig Volunteer on reviewing STEM content for the Learning Passport. ➡[\[Info URL\]](#)
- **2020:** Research Projects (2) in virtual reality to six students from Medicine & Chemical Engineering Departments of Massachusetts Institute of Technology & Imperial College London.
- **2018:** Invited Speaker at AR-VR Conference 2018, Bangalore. ➡[\[Event URL\]](#)
- **2018:** Presented a lecture on 360 VR Video Streaming. Guest Speaker at Global Academy of Technology, Bangalore.
- **2014:** Coordinator of Research in Product Design Symposium at CPDM, IISc, Bangalore. ➡[\[Event URL\]](#)
- **2012-2013:** Course & Team Management of an online course, Ubiquitous Product & Service Innovation, jointly offered between IISc, TU-Delft, EAFIT & Uni. of Johannesburg for Graduate & Research Students. ➡[\[Course URL\]](#)
- **2012:** Sponsored Delegate at 32nd Asia Pacific Advanced Network (APAN) Meeting at New Delhi jointly organized by ERNET-India & National Knowledge Network (NKN). ➡[\[Event URL\]](#)
- **2010-2011:** Coordinator of Communication Cell by Students’ Council at Indian Institute of Science. Actively contributed in Reduce, Reuse, Recycle, environment awareness & green campus drive. ➡[\[Info URL\]](#)
- **2009:** Sponsored Delegate at ApacheCon EU 09 in Amsterdam. Part of Yahoo! Hadoop / Pig-latin Track. ➡[\[Event URL\]](#)