

# Jitin

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email: [hello@jitin.xyz](mailto:hello@jitin.xyz)  
web: <https://jitin.xyz>

## EDUCATION

PhD, Materials Engineering Dec 2017 - present  
Indian Institute of Science (IISc), Bangalore

B.Tech, Metallurgy and Materials Engineering Aug 2011 - Jul 2015  
National Institute of Foundry and Forge Technology (NIFFT), Ranchi

## PROFESSIONAL EXPERIENCE

Content Designer (writing, videos) Oct 2016 - Dec 2017  
*Independent/Freelance*

- mostly writing, web and graphic design, audio and video content creation

Analyst, Risk Consulting Jun 2015 - Oct 2016  
*KPMG India*

- Designed Warehouse Management Policies and Risks and Controls Matrices for multiple clients
- Industry Experience : Logistics, Retail, Financial Services, Manufacturing, IT

## RESEARCH EXPERIENCE

Senior Project Associate Jul 2017 - Dec 2017  
*Laboratory for Biomaterials, IIT Kanpur*

- Voronoi tessellation for study of interfaces in graphite using R
- Study of thermal response in alumina based coatings using FEM [Details](#)

Research Intern May 2014 - Jun 2014  
*National Metallurgical Laboratory (CSIR-NML)*

- Worked on algorithm for evaluation of yield stress and UTS using data from Automated Ball Indentation

Research Intern May 2014 - Jul 2014  
*Laboratory for Biomaterials, IIT Kanpur*

- Finite Element Modelling of Mg based alloys LAT971, LATZ9531 using OOF2. [Details](#)

## TOOLS I HAVE USED BEFORE

- C, C++, MATLAB, Python,  $\LaTeX$ , R
- HTML, CSS, JavaScript, GIMP, Camtasia Studio

## OTHER THINGS I AM INTERESTED IN

- I sometimes write on [my blog](#) about academia, reading, start-ups, history, games etc.
- Speedcubing - I like solving a 3x3 Rubik's cube, 2x2, 4x4 and other puzzles (Megaminx, Pyramix, Square 1, Sqweb and Mirror Cube)
- [For a summary of my various experiments on web design click here](#)
- Some of my other [side projects](#)

## LINKS TO PUBLICATIONS

- [Google Scholar](#)
- [ORCID](#)

Last Updated: April 30, 2021