

# Jitin Nair

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## SUMMARY

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researcher, developer, educator, designer, learner. mostly curious.

## RESEARCH EXPERIENCE

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### Doctoral Research, IISc Bengaluru

Jan 2018 - present

Theoretical and Computational study of phase transformations in ternary systems: how differences in elastic and stress conditions affect microstructure evolution, studied using parallelised, spectral, phase-field models

### Research Internship Positions

2013 - 2017

- Voronoi tessellation for study of interfaces in graphite and study of thermal response in alumina based coatings using FEM (at IIT Kanpur) [Details](#)
- Calculation of yield stress and UTS using data from Automated Ball Indentation (at NML Jamshedpur)
- Finite Element Modelling of Mg based alloys LAT971, LATZ9531 using OOF2 (at IIT Kanpur) [Details](#)

## WORK EXPERIENCE

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### Freelance

Oct 2016 - Dec 2017

Writing, audio and video production, graphic design with different clients in the EdTech industry

### Analyst, Risk Consulting, KPMG

Jun 2015 - Oct 2016

Designed risk controls. Worked with clients in Logistics, Retail, Finance, Manufacturing, IT

## SKILLS

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Programming etc.	C, C++, MATLAB, Python, OpenMP, CUDA, ParaView
Web Development	HTML, SCSS, Jekyll, Ruby, Liquid
Content Production	Camtasia Studio, Audacity, OpenBoard, OpenShot, GIMP, L <sup>A</sup> T <sub>E</sub> X

## EDUCATION

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2018 - present **Indian Institute of Science (IISc)**

PhD (Materials Engg.)

2011 - 2015 **National Institute of Foundry and Forge Technology (NIFFT)**

B.Tech (Metallurgy and Materials Engg.)

## INTERESTS

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- I track the books I read [here](#) and the movies I watch [here](#)
- I write [here](#) about things I think about, or if something stays back in my mind from a book, movie or a podcast. A little more than a blog, but less than a journal
- Some of my [other side projects](#)