

# NANDAN SUKTHANKAR

Actuarial Associate

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## Current Responsibility

Nandan is serving as an Actuarial Associate at our life insurance consulting practice in India, based out of Mumbai. He joined Milliman in 2018.

## Professional Work Experience

Since joining Milliman, Nandan has been involved in a variety of projects:

- Part of an IEV implementation / Initial Public Offering for a large Indian insurance company.
- Modelling cash flow projections to determine the embedded value of a life insurance company using traditional and market-consistent approach using Excel.
- Modelling and reviewing statutory reserves.
- Independent model validation across a wide range of product types using Prophet.
- Modelling and reviewing Analysis of movement (AoM) over consecutive years for certain product types.
- Performing sensitivity runs on Value-in-Force and Value of New Business results under an MCEV/IEV framework.
- Performing consistency checks on client data using 'R'.
- Developing stochastic simulations using Economic Scenario Generator (ESG)
- Actuarial support for M&A processes in the region
- Statistical analysis of the Life Insurance industry in India.
- Working with Prudential Indonesia to review the modelling approach adopted in their 'binary model'.
- Enhancement of the existing Prophet model for a life insurer based in Mumbai involving:
  - Updating extended formulae and performing alterations to the existing code
  - Design and specification of various commutation functions to improve code efficiency.
  - Developing code for various types of products in Prophet for 'rebasing' of projected statutory reserves allowing for future best-

estimate conversion to paid-up experience.

- Testing the Prophet code using an independent model in Excel.

Prior to Milliman, Nandan worked with HSBC Technology, India for a year as a Software Engineer in the Financial Crime Risk IT department. He has also served as the Secretary for the 88th edition of the annual boat festival, Regatta.

## Professional Designations

- Student Member of Institute and Faculty of Actuaries (IFOA)
- Student Member of the Institute of Actuaries of India (IAI)

## Education

Bachelor of Technology in Computer Engineering, College of Engineering Pune