











# Yogesh Haribhau Kulkarni

Principal Architect (CTO Office, Icertis) | PhD in Geometric Modeling | Google Developer Expert (Machine Learning) | Rasa Hero (Conversational AI) | Neo4j Ninja (Graph Data Science) | Mentor (Mid-career Transition)

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### Yogesh Haribhau Kulkarni • You

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Although I had a few publications in international journals in the past, they all were during my PhD years. Nothing after that.

They all were based on then proposed-novel Midsurface-computation method, which was implemented using rule-based program.

Later, after the doctoral studies, as I became more familiar with Machine/Deep Learning techniques, decided to attempt the same problem using Neural Networks, albeit in a diluted form, ie, given a profile shape, see how the neural network learns to compute the corresponding Midcurve. Calling it 'MidcurveNN'. Been working on this for a few years now.

Today 'Computer-Aided Design & Applications' journal has published my paper on the same topic.

### https://lnkd.in/d6HZBKdV

If you are interested in knowing more:

- Created a dataset for the project, which has been made public at Kaggle now. https://lnkd.in/dEZ4C6M
- Published a notebook to demonstrate how to use the dataset. https://lnkd.in/dAniZrx
- Open sourced code base at GitHub: https://lnkd.in/fpsNT2P
- Gave an introductory talk at ODSC conference: https://lnkd.in/dQPJbWd

#GeometricModeling #DeepLearning #NeuralNetworks #ODSC #OpenSource #datascience #artificialintelligence #phd #design #machinelearning #kaggle #python #github #ml #research #midcurve #cad #cae #midsurface #midcurvenn #research #ai #machinelearning

#### CADPaper

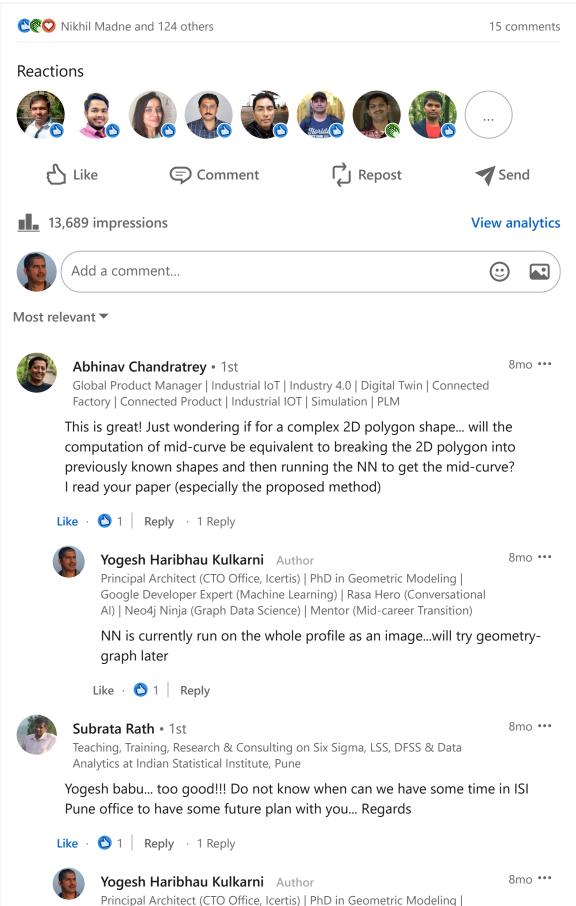












Google Developer Expert (Machine Learning) | Rasa Hero (Conversational











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Shripad Kale • 1st

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Director, R&D at Schneider Electric

Congratulations Yogesh. I will be interested in knowing more. We will connect on this.

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Yogesh Haribhau Kulkarni Author

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