



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

Principal Architect (CTO Office, Icertis) | PhD in Geometric Modeling | Google Devel...
9mo • Edited •

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>

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Abhinav Chandratrey • 1st

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Global Product Manager | Industrial IoT | Industry 4.0 | Digital Twin | Connected Factory | Connected Product | Industrial IOT | Simulation | PLM

This is great! Just wondering if for a complex 2D polygon shape... will the computation of mid-curve be equivalent to breaking the 2D polygon into previously known shapes and then running the NN to get the mid-curve? I read your paper (especially the proposed method)

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Yogesh Haribhau Kulkarni Author

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NN is currently run on the whole profile as an image...will try geometry-graph later

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Subrata Rath • 1st

8mo ...

Teaching, Training, Research & Consulting on Six Sigma, LSS, DFSS & Data Analytics at Indian Statistical Institute, Pune

Yogesh babu... too good!!! Do not know when can we have some time in ISI Pune office to have some future plan with you... Regards

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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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Sure [Shripad Kale](#)

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Rahul Dhond • 1st

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WealthTech

Congratulations [Yogesh!!](#)

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Adi Soumitra Mondal • 1st

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Problem solving | DSA | Software Architecture

Congratulations sir

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Nilesh Raghuvanshi • 1st

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| AI/ML Evangelist | Innovation | Technical Expert | Lifelong Learner |

Congratulations Yogesh!

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Ravi Ranjan Prasad Karn • 1st

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Data Scientist | Ph D Research Scholar | IEEE Senior Member | Machine Learning
| Deep Learning | Natural Language Processing

Super.

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Pavan Kumar Singh • 1st

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Data Scientist | AI | NLP | Deep Learning

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fantastic, highly commendable.

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Indrajit Jagtap • 1st

Artificial Intelligence for Manufacturing & Operations

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