

Rutvik Deshpande

Flat No. 1, Saurabh Apartments, Sanewadi, Aundh, Pune, Maharashtra, India
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EDUCATION	National Institute of Technology (NIT), Raipur, India <i>Bachelor of Architecture (B.Arch)</i>	Aug '19 – Ongoing
PROFESSIONAL EXPERIENCE	Digital Blue Foam, Singapore <i>Machine Learning Design Engineer</i>	Feb '22 – Ongoing
	Digital Blue Foam, Singapore <i>Associate Data Engineer</i>	Feb '21 – Jan '22
	Digital Blue Foam, Singapore <i>Research Intern</i>	Sep '20 – Jan '21
	S. N. Pingle Consultants, Pune, India <i>Architectural Intern</i>	Jun '20 – Aug '20
WORKSHOPS	Synthetic Machine Creation for Net-Zero Structural Design, DigitalFUTURES 2022	Jul '22
	XD Urban Prototyping with Digital Blue Foam, DigitalFUTURES 2021	Jul '21
	Personalized Generative Design, CAADRIA 2021	Mar '21
INVITED TALKS	"Data Driven Sustainable Building Design" at AI in AEC Conference	Mar '22
	"Machine Learning for Better Architectural Design" at International Building Design Competition (IBDC) '21	May '21
AWARDS	"Supercomputing Net-zero Structures" , High-Performance Computing Innovation Challenge for the Environment (NSCC), 2nd Runners-up	Sep '22
SKILLS	Frontend – HTML, CSS, JavaScript, THREE.JS, TensorflowJS Backend – NodeJS, Google Cloud Platform Data Science – R, Python 3D Modelling – Rhino, Grasshopper, Blender, SketchUp Graphics – Adobe CS, Figma, P5.JS Geo – Qgis, Mabox, Leaflet, deckGL	
CREDENTIALS	LEED Green Associate <i>Green Business Certification Inc. (GBCI)</i>	Jul '22
PUBLICATIONS	Journal Articles and Conference Proceedings <ul style="list-style-type: none">Deshpande, R., Nisztuk, M., Cheng, C., Subramanian, R., Chavan, T., Weijenberg, C., & Patel, S. V. (2022). Synthetic Machine Learning for Real-time Architectural Daylighting Prediction. 313–322. https://doi.org/10.52842/conf.caadria.2022.1.313Cheng, C., Li, Y., Deshpande, R., Antonio, R., Chavan, T., Nisztuk, M., Subramanian, R., Weijenberg, C., & Patel, S. V. (2022). Realtime Urban Insights for Bottom-up 15-minute City Design. 435–444. https://doi.org/10.52842/conf.caadria.2022.1.435	