

SHALINI MAITI

*PhD at Meta Superintelligence Labs &
University College London
3D Computer Vision and Language Models*

London, United Kingdom
✉ shalini.maiti@gmail.com
🌐 [My Webpage](#)
🐙 [Github](#) [in LinkedIn](#)



Education

- 2022–present **PhD, Computer Science & Engineering**, *University College London*, United Kingdom.
Reconstruction, generation and evaluation of 3D objects using 2D tracks, images and language.
- 2018–2021 : **Master of Science in Computer Science**, *Technische Universität, Graz*, Austria.
Computer Vision & Graphics, Computational Intelligence.
- 2010–2014 : **Bachelor of Technology**, *Dhirubhai Ambani Institute of Information and Communication Technology*, Gandhinagar, India.
Information and Communication Technology

Publications

- 2025 **Shalini Maiti**, Lourdes Agapito, Benjamin Graham, Unsupervised 2D-3D lifting of non-rigid objects using local constraints, In *4D Vision Workshop, Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025.
- 2025 **Shalini Maiti**, Lourdes Agapito, Filippos Kokkinos, Gen3DEval: Using vLLMs for Automatic Evaluation of Generated 3D Objects, In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025.
- 2025 **Yufan Ren**, Konstantinos Tertikas, **Shalini Maiti**, Junlin Han, Tong Zhang, Sabine Süssstrunk, Filippos Kokkinos, VGRP-Bench: Visual Grid Reasoning Puzzle Benchmark for Large Vision-Language Models.
- 2025 **Shalini Maiti***, Amar Budhiraja*, Bhavul Gauri, Gaurav Chaurasia, Anton Protopopov, Alexis Audran-Reiss, Michael Slater, Despoina Magka, Tatiana Shavrina, Roberta Raileanu, Yoram Bachrach, Souper-Model: How Simple Arithmetic Unlocks State-of-the-Art LLM Performance.

Work Experience

- 2022 – present **Research Scientist, Meta Superintelligence Labs, London.**
Worked on various research projects at the intersection of 3D computer vision and large language models under the guidance of Benjamin Graham, Filippos Kokkinos, Tatiana Shavrina, Roberta Raileanu and Yoram Bachrach.
- 2021 – 2022 **Software development Engineer, Amazon Prime Air, Graz.**
Worked on the evaluation of computer vision algorithms for the purpose of building autonomous drones under Markus Unger and Konrad Karner.
- 2019 – 2021 **Student Project Assistant, Technische Universität, Graz.**
Worked under Denis Kalkofen to contribute to research projects using Unity3D and worked under Vincent Lepetit to work on the problem of Hand Pose Estimation using deep learning.
- 2016 – 2018 **Software Developer, Cybrilla technologies, Bangalore.**
I Worked on two main projects - Two Cents and Relyon. Implemented an algorithm to recommend trusted reviews for a person. Modelled server side architecture for a multi-tenant database.
- 2015 – 2016 **Co-Founder, Candyman Entertainment LLP, Ahmedabad.**
Brought the independent music scene to the tier two cities in India by building a healthy ecosystem for musicians that are not associated with labels to grow; as well as a market that would accept them

2014 – 2015 **Full Stack Developer, Keepworks Technologies, Bangalore.**

Worked across the entire web development stack, architecture and effective versioning/file management with tools like git. Implemented payment gateway, APIs as microservice and admin panel (Docbuddy, Freshconnection), integrated with third party APIs like mapbox, slack, heroku and bitbucket (rentlogic, walltime). Designed algorithms and query optimisations to improve performance, post deployment.

Fellowships & Awards

- 2022 –present Award from **Meta AI** for a period of 4 years to pursue a **PhD** at **University College London**
- 2010 **Top 2 percentile** in All India Engineering Entrance Examination
- 2008 **3rd Rank, AISSE** (2008) in the Vadodara district, India.
- 2007-2009 Table Tennis: **2nd place**, in C.B.S.E clusters **national school games**, 2009. Represented Gujarat state, **National school games**, 2007