

Arijit Ghosh

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Education

PhD in Computer Vision

Since Dec 2024

Institut Polytechnique de Paris

Supervisor: Prof. Dr. David Picard

Thesis: Understanding generative models for visual tasks.

M.Sc. in Artificial Intelligence

Oct 2021 - Sep 2024

Friedrich Alexander Universitat Erlangen–Nürnberg

Final Grade: 1.3 (Best: 1.0, Worst: 4.0)

Minor: Artificial Intelligence in Biomedical Engineering

Master Thesis: Exploring Disentangled Structure-Texture Generative Models on Image-To-Image Translation Task.

B. Tech. in Electronics and Communication Engineering

Aug 2017 - Jul 2021

Maulana Abul Kalam University of Technology (formerly West Bengal University of Technology)

Final Grade: 9.24 (Best: 10.0, Worst: 5.0)

Research Experience

Research Assistant

Jun 2024 - Nov 2024

IMAGINE Lab, IP Paris (Supervisor: **Prof. Dr. David Picard**)

Student Teaching and Research Assistant

Jan 2022 - May 2024

IDEA Lab, FAU, Erlangen–Nürnberg (Supervisor: **Prof. Dr. Bernhard Kainz**)

Student Research Assistant

Mar 2023 - May 2024

Fraunhofer IIS, Nürnberg (Supervisor: **Mark Deutel, M.Sc.**)

Student Research Intern

Apr 2020 - Sep 2021

Maulana Abul Kalam University of Technology (Supervisor: **Dr. Soumen Pati**)

Work Experience

Working Student - Deep Learning and Computer Vision

Sep 2022 - Feb 2023

Primetals Technologies, Erlangen (Supervisor: **Dominik Wassermann, M.Sc.**)

Mentor - Generative Adversarial Networks Specialization

Aug 2021 - Dec 2021

Deeplearning.AI

Publications

Ghosh, A., Dombrowski, M., Reynaud, H. and Kainz, B., 2023. DESTINE: A Fresh Look at Disentanglement based Single-Image Image-to-Image Translation. *Under Submission*.

Technical and Specialized Skills

Languages/Frameworks: Confident with Pytorch, Pytorch-Lightning, Monai, Python, Git.

Fields of Interest: Deep Learning, Machine Learning, Medical Image Analysis, Image-to-Image Translation, Representation Learning, Self-Supervised Learning, Contrastive Learning, Semi-Supervised Learning, Weakly-Supervised Learning.

Projects

Master's Project-1 : Segmentation with a punch via VoxelMorph and Registration. [↗](#)

Supervisor: **Prof. Dr. Bernhard Kainz**

Master's Project-2 : Fake it till you Can't make it. [↗](#)

Supervisor: **Prof. Dr. Bernhard Egger**

Achievements

Winner of Researchathon 2021 in Healthcare Track

July 2021

Referees

Prof. Dr. David Picard : david.picard@enpc.fr

Prof. Dr. Bernhard Kainz : bernhard.kainz@fau.de

Prof. Dr. Bernhard Egger : bernhard.egger@fau.de

Mr. Mark Deutel, M.Sc.: mark.deutel@iis-extern.fraunhofer.de