

# Ankit

+31 0649974969 | [ankit.uva.nl@gmail.com](mailto:ankit.uva.nl@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Website](#)

## EDUCATION

### University of Amsterdam

*Masters in Artificial Intelligence - 7.67/10*

Amsterdam, Netherlands

*August 2021 – Present*

### National Institute of Technology Tiruchirappalli

*Bachelor of Technology, Electronics and Communication Engineering- 8.94/10*

Tiruchirappalli, India

*July 2017 – July 2021*

## TECHNICAL SKILLS

**Languages:** Python, PostgreSQL

**Developer Tools:** Git, Docker, Wandb, Linux

**Frameworks and Libraries:** Pandas, Matplotlib, PyTorch, PyTorch Lightning, OpenCV, Scikit-Learn, Flask, Classy Vision

## EXPERIENCE

### Machine Learning Engineer Intern

*Sensity AI*

June 2022 – Present

*Amsterdam, Netherlands*

- Contributed to Sensity's ID Verification and Document Authentication services
- Implemented and trained various Deep Learning architectures in Classy Vision a PyTorch-based framework: ResNet-50, MobileNetV2, SiameseNet, and Dual Attention Network
- Scripting in Python and OpenCV for Synthetic Dataset Generation
- Scripting dockerfile and yaml templates to create docker development containers

### Remote Deep Learning Research Intern

*Pattern Recognition Lab, Friedrich-Alexander-Universität Erlangen-Nürnberg*

April 2020 – August 2020

*Erlangen, Germany*

- Developed a Differentiable Trainable Renderer for Generative Adversarial Networks using Mitsuba2 and PyTorch
- Optimized scene parameters with Adversarial Loss for Synthetic Image Rendering of Silicon dioxide nanoparticles

### Machine Learning Research Intern

*Visual Computing and Analytics Lab, Indian Institute of Technology B.H.U*

May 2019 – July 2019

*Varanasi, India*

- Developed an algorithm for Breast Cancer Histopathological Image Classification
- Implemented SVM, Random Forest, Naive Bayes and XGBoost classifiers using the features extracted by the algorithm which resulted in a test accuracy of 97.91%

## KEY COURSES TAKEN

**AI:** Machine Learning-1, Computer Vision-1, Deep Learning-1, Deep Learning-2, Reinforcement Learning

**Mathematics:** Linear Algebra, Multivariate Stochastic Calculus, Probability Theory and Random Processes, Transforms, Real Analysis and Partial Differential Equations, Optimization Techniques

**Computer Science:** Data Structures, Operating Systems, Database Management Systems

## PUBLICATIONS

Ankit Ankit, Sameer Ambekar, Baradwaj Varadharajan, Mark Alence: [Re] Counterfactual Generative Networks. ML Reproducibility Challenge 2021, 2022. ([Link](#)).

Sameer Ambekar, Matteo Tafuro, Ankit Ankit, Diego van der Mast, Mark Alence, and Christos Athanasiadis. SKDCGN: Source-free Knowledge Distillation of Counterfactual Generative Networks using cGANs. ECCV 2022 Workshop VIPriors, 2022. ([Link](#)).

## LEADERSHIP EXPERIENCE

### President, Office of International Relations

*NIT Tiruchirappalli*

September 2020 – May 2021

*Tiruchirappalli, India*

- Managed a team of 25+ members, spearheading campus internationalization policies under the ambit of the administration body of the Institute
- Organized webinars on International Research Internships and higher education through alumni network
- Supervised the completion of NIT Tiruchirappalli's research portal to foster research exchanges on a global scale alongside facilitating industry-institute collaborations locally

## VOLUNTEERING EXPERIENCE

### International Exchange Global Volunteer at AIESEC in Poland

*Local Committee Wroclaw University of Technology*

May 2018 – June 2018

*Wroclaw, Poland*

- Worked on project 'Understand' under the Sustainable Development Goal (SDG) Reduced Inequalities
- Took interactive sessions with over 1000 students aged 16-19