



Aneesh Dahiya

ML Engineer

WORK EXPERIENCE

ML Research Engineer

Sep 2020 - Present

Oracle Labs | Zurich

- Conducted research on representation learning for logs using NLP approaches.
- Filed 4 patents.
- Achieved a 70% improvement in model performance through research efforts.
- Developed custom helm charts for deploying proprietary solutions on OCI.
- Created efficient data pipelines leveraging OCI Data Science service.

ML Engineer

May 2019 - Jan 2022

Barix | Zurich

- Created an efficient anomaly detector for predictive maintenance for an edge device.
- Launched a paging product as a tech lead to enable intercom messages on BARIX devices. This is a product now called Paging-Gateway-400.
- Conducted research on noise detection and sound quality estimation using Deep ML models.
- Collaborated with an AI startup during a six-month sabbatical.

Junior ML Engineer

Feb 2020 - Aug 2020

Visium | Zurich

- Developed a time series forecasting model for inventory management for a Swiss Client.
- Deployed ML models as APIs and training pipeline on GCP.
- Prepared aligned trilingual data for training a language translation model, using a shallow neural network enabled with human feedback.

Software Engineer

Jun 2018 - Aug 2018

Oracle | Bengaluru

- Worked as an Application Engineer in the Responsys team, mainly developing in Java.
- Experienced the processes and software development pipeline in a big Tech Enterprise.

Research Assistant

Jun 2018 - Aug 2018

TUM | Munich

- Experienced a research environment and protocol over the semester break.
- Developed GUI using QT for a C++ toolkit developed by HC S Lab.

PUBLICATIONS

PeCLR: Self-Supervised 3D Hand Pose Estimation from monocular RGB via Equivariant Contrastive Learning

Adrian Spurr*, Aneesh Dahiya*, Xi Wang, Xucong Zhang, and Otmar Hilliges



Paper was accepted for oral presentation at ICCV 2021 and achieved SOTA on Hand Pose estimation

Exploring self-supervised learning techniques for hand pose estimation

Aneesh Dahiya, Adrian Spurr, and Otmar Hilliges

PMLR 2021, presented at PreScience Workshop at NeurIPS 2020

CONTACT ME

dahiyaaneesh.github.io

India

Zurich, Switzerland

EDUCATION

M.Sc. in IT and EE 2018 - 2021

ETH Zurich GPA: 5.42/6

B.Tech in EE 2014 - 2018

IIT Roorkee GPA: 9.03/10

SKILLS

Programming languages

- Python (proficient)
- C++ (working knowledge)

Tech stacks

- Kubernetes
- Airflow
- Spark
- Docker
- OCI