Anjali **Sarawgi**

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📍 Munich, Germany

Education

Apr 2023 **Present**	**Ludwig Maximilian University (LMU), Munich	Institut for Statistik** M.Sc. in Statistics and Data Science (Track: Machine Learning)	**Munich, Germany**
Jun 2018 **May 2021**	**CHRIST (Deemed to be University)	Department of Mathematics** Bachelor of Science (Economics, Mathematics, Statistics)	**Bangalore, India**

Experience

Present **Jul 2025**	**Fraunhofer AISEC	Institute for Applied and Integrated Security** [🌐] *Master Thesis Student	Advisors: Johanna Baehr, Prof. Dr. David Rügamer* Working on exploring and adapting graph neural networks (GNNs) for detecting subcircuits in cyptographic hardware circuits.	**Munich, Germany**
Dec 2024 **Jul 2025**	**Heidelberg University	South Asia Institute** [🌐] *Consulting Project (Master's Project)	Advisors: Esteban Garces Arias, Dr. Christof Zotter* Developed the first transformer based handwritten text recognition (HTR) model for low-resource 18th and 19th century Old Nepali manuscripts with 95.1% character accuracy.	**Heidelberg, Germany**
Oct 2024 **Sep 2025**	**Institute for Statistics	LMU, Munich** [🌐] *Student Assistant	Mentor: Prof. Dr. Thomas Augustin* Assisted with lecture material preparation for Statistical Inference Course (Bachelor's program), corrected student papers, and helped with literature searches and preparing supporting research materials.	**Munich, Germany**
Oct 2024 **Mar 2025**	**Psycological Methodology and Diagnostic	LMU, Munich** [🌐] *Research Student	Mentor: Dr. Yannik Terhorst* Worked on statistical analysis for a meta-analysis of PTSD research, and on statistical modelling and feature engineering of mobile sensing data (Phone Study Project) to detect depression patterns from user behaviour.	**Munich, Germany**
Mar 2024 **Sep 2024**	**Bavarian AI Chair of Mathematical Foundations of AI	LMU, Munich** [🌐] *Research Student	Mentor: Sohir Maskey, Prof. Dr. Gitta Kutyniok* Worked with Graph Neural Networks (GNNs) ft0or (1) visualize loss landscapes to understand model behaviour using dimensionality reduction methods and, (2) implement experiments to study double descent phenomenon for benchmarked graph data and GNNs.	**Munich, Germany**
Nov 2022 **Jan 2023**	**Bask Solution LLC** *Web Development Intern* Assisted in designing and building an AI-powered conversational food delivery web app with python and React JS	**Kathmandu, Nepal**
Jul 2021 **Sep 2022**	**Deloitte USI** *Associate Analyst	Consulting (Strategy and Analytics) - AI and Data Engineering* Worked on building and maintaining big data workflows as a part of Master Data Management (MDM) using SQL and Informatica MDM for a global pharmaceutical client.	**Bangalore, India**

Publications

S=In Submission, C=Conference, W=Workshop, P=Poster/Demo, J=Journal

[S.1] **Digitizing Nepal's Written Heritage: A Comprehensive HTR Pipeline for Old Nepali Manuscripts**
Anjali Sarawgi, Esteban Garces Arias, Christof Zotter
[In Submission]

[J.1] **The relation between passively collected data and PTSD: a systematic review and meta-analysis**
Ningzhe Zhu, Anjali Sarawgi, Markus Bühner, Harald Baumeister, Patricia Garatva, Thomas Ehring, Yannik Terhorst
npj Digital Medicine, [DOI: 10.1038/s41746-025-01825-6]   **[Nature Portfolio, 2025]**

[J.2] **Environmental cost of food wastage: Integrated response through a mix of environmental policy instruments**
Pratyush Jain, Anjali Sarawgi, Pragati Jain
Sustainable Development, [DOI: 10.1002/sd.2522]   **[Wiley, 2023]**

Talks

"AI for South Asian Language Preservation: Nepali and Hindi"

> Manuscriptology and Digital Humanities Online Lecture Series   October 2024   (Heidelberg University, Germany)

Honours and Awards

Spot Award | Deloitte USI, 2022   Awared for performance and contributions to project success

Mathematics Prize | Bishop Cottons Girl's School, India, 2018   Awarded for achieving the highest grades for Mathematics in high school.

Courses and Skills

Certifications & Training: Python with Django (Advanced), IT Training Nepal, 2022

Tech Skills: Python (Advanced), R, PyTorch, PyTorch Geometric, Google Cloud Platform (GCP), Docker, SQL, ReactJS, FastAPI, Git, LaTeX