SUDHAKARAN JAIN

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EXPERIENCE

Junior Machine Learning Engineer
Slimmer AI

📅 September 2021 – Present   📍 Groningen

- Applying machine learning techniques to solve real-world computer vision problems.
- Brainstorming and experimenting novel custom solutions which is better than but inspired from two or more already existing solutions.
- Actively participating in company's AI fellowship research program, exploring various AI modalities. Currently working in the field of speech synthesis.

Machine Learning Intern
Breeze

📅 February 2021 – August 2021   📍 Delft

- Researched and enhanced reciprocal recommendation algorithm by integrating machine learning techniques.
- Developed deep learning models for predicting attractiveness, detecting facial occlusions, pose-estimation, etc.
- Worked extensively on transfer learning, feature extraction, fine-tuning as well as building the complete pre-processing step required.

Graduate Teaching Assistant
University of Groningen

📅 September 2019 – January 2020   📍 Groningen

- Courses: Statistics for AI and CS (B.Sc), Pattern Recognition (M.Sc)

Assistant System Engineer
Tata Consultancy Services

📅 October 2016 – June 2018   📍 Mumbai

- Worked as SAP ABAP (OpenSQL) developer for an Indian Retail client

RESEARCH PROJECTS

Image Inpainting
University of Groningen

📅 April 2018 – June 2019   📍 Groningen

- Comparative study of cGAN and U-Net implemented to reconstruct missing parts of face images. Trained and tested these networks on a dataset of celebrity faces.

PUBLICATIONS

3D_DEN: Open-ended 3D Object Recognition using Dynamically Expandable Networks
IEEE Transactions on Cognitive and Developmental Systems

📅 March 2020 – November 2020   📍 Groningen

- **M.Sc Thesis:** A neural network model that can keep on learning to recognize new 3D object classes without catastrophically forgetting known ones. The model is expanded dynamically with more neurons and trained when accuracy falls below a threshold.

EDUCATION

Master of Science (*Artificial Intelligence*)
University of Groningen

📅 September 2018 – November 2020   📍 Netherlands

Bachelor of Engineering (*Computer Science*)
University of Mumbai

📅 August 2012 – May 2016   📍 India

TECHNICAL SKILLS

Languages: Python   Matlab   Java   R   C

Databases: OpenSQL   Oracle   PostgreSQL

Frameworks: Pytorch   Keras   Tensorflow   Flask

Platforms: Windows   Linux   GCP

STRENGTHS

Machine Learning   Deep Learning
Data Science   Pattern Recognition
Computer Vision   Operating Systems
Natural Language Processing
Data Structures & Algorithms
Database Management Systems

CERTIFICATIONS

Oracle database 11g: SQL fundamentals I
Oracle

📅 September 2015   📍 Mumbai

Industry Integrated Android Programming-Level 1
Suven Consultants & Technology Pvt Ltd

📅 October 2014   📍 Mumbai

OTHER INFORMATION

English
Hindi
Dutch
Nationality: Indian
EU Residence: The Netherlands