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. Experimenting and developing novel custom ML solutions as well as optimizing existing solutions.
- Training efficient models that can detect synthetically generated images, duplication, and other forgeries in order to maintain image integrity.
- Working on various deep learning algorithms like object detection, segmentation, classification, etc.
- Actively participating in the company's AI fellowship research program, exploring various AI modalities. Proposed and worked on research project topics involving NLP, Speech synthesis, Reinforcement learning, and Multi-modal learning.

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 developer for an Indian Retail client.
- Mainly implemented SQL programs that performed data processing as per the business requirements.

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: PostgreSQL   OpenSQL   Oracle

Frameworks: Pytorch   Keras   Tensorflow   Django   Flask   Docker

Platforms: Windows   Linux   GCP

STRENGTHS

Machine Learning   Deep Learning   Reinforcement Learning   Data Science   Pattern Recognition   Computer Vision   Operating Systems   NLP   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