### SUDHAKARAN JAIN

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#### **EXPERIENCE**

# Junior Machine Learning Engineer Slimmer Al

🛗 September 2021 - Present

**♀** Groningen

- Applying machine learning techniques to solve real-world computer vision problems. Specifically addressing image integrity problem using various deep learning algorithms.
- Experimenting and deploying novel custom ML solutions as well as optimizing existing solutions wherever applicable.
- Actively participating in company's AI fellowship research program, exploring various AI modalities. Proposed and worked on research project topics involving NLP, Speech Synthesis, 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.

#### **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

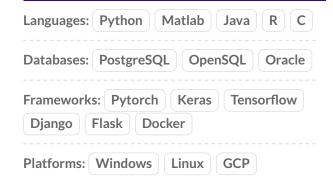
Netherlands

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

## August 2012 - May 2016

**♀** India

#### **TECHNICAL SKILLS**



#### **STRENGTHS**

Machine Learning	Deep Learning
Reinforcement Learn	ing Data Science
Pattern Recognition	Computer Vision
Operating Systems	NLP
Data Structures & Algorithms	
Database Manageme	nt Systems

#### **CERTIFICATIONS**

Oracle database 11g: SQL fundamentals I

Oracle

September 2015

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

Ctober 2014

Mumbai

#### OTHER INFORMATION

English Hindi Dutch

**Nationality: Indian** 

**EU Residence: The Netherlands** 

