

SUDHAKARAN JAIN

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EXPERIENCE

Graduate Teaching Assistant

University of Groningen

September 2019 – Present 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
• Gained good exposure to SQL related activities

Course Instructor

Don Bosco Institute of Technology

October 2015 – March 2016 Mumbai
• Course: Linux Administration

PROJECTS

M.Sc Thesis - Open-ended 3D Object Recognition using Dynamically Expandable Networks

University of Groningen

March 2020 – Present Groningen
• A neural network model that can keep on learning to recognize new objects to an infinite extent, without catastrophically forgetting known ones.
• Only a sub-network responsible for output of the new object is identified and trained. If overall performance decreases, the network expands dynamically during training.
• Training and testing of this network is done on a ModelNet10 dataset.

Image Inpainting using cGAN and U-Net

University of Groningen

April 2018 – June 2019 Groningen
• Comparative study of cGAN and U-Net which were both implemented to reconstruct missing parts of face images.
• Trained and tested these networks on a dataset of celebrity faces.

Comparing Reinforcement Learning Algorithms

University of Groningen

November 2018 – January 2019 Groningen
• Comparison between performances of CACLA and SPG Reinforcement Learning algorithms on BipedalWalker-v2 environment from OpenAI Gym platform.

Handwriting Recognition

University of Groningen

April 2019 – June 2019 Groningen
• Automated handwriting recognition system for Hebrew scripts.

EDUCATION

M.Sc. in Artificial Intelligence

University of Groningen

September 2018 – July 2020

B.E. in Computer Science

Mumbai University - Don Bosco Institute of Technology

August 2012 – May 2016
CGPI: 7.82/10

TECHNICAL SKILLS

Python Matlab Java R C
Android SDK SQL SAP ABAP
Keras Tensorflow
Windows Linux

COURSEWORK

Machine Learning Data Science
Deep Learning Neural Networks
Pattern Recognition Computer Vision
Natural Language Processing
Cognitive Robotics Data Structures
Operating Systems Analysis of Algorithms

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

LANGUAGES

English
Hindi
Tamil

