SUDHAKARAN JAIN

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EXPERIENCE

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
- Gained good exposure to SQL related activities
- Optimized algorithms to reduce space and time complexity of programs that processed huge amount of data.

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 without catastrophically forgetting known ones.
- From the whole model, only a sub-network responsible for output of the new object is selected and trained. If overall performance decreases, the model is expanded dynamically during training.
- Training and testing of this model is done on ModelNet40 dataset.

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.

Comparing Reinforcement Learning Algorithms
University of Groningen

📅 November 2018 – January 2019   📍 Groningen
- Comparison betweeen 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.
- System pipeline performs pre-processing, segmenting lines/words, training classifier, and creating text files with predictions.

EDUCATION

M.Sc. in Artificial Intelligence
University of Groningen

📅 September 2018 – Present   📍 Groningen

B.E. in Computer Science
Don Bosco Institute of Technology (Mumbai University)

📅 August 2012 – May 2016   📍 Mumbai
CGPI: 7.82/10

TECHNICAL SKILLS

Python Matlab Java R C
Android SDK SQL SAP ABAP

Keras Tensorflow Flask

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
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
Tamil
Nationality: Indian
EU Residence: The Netherlands
Study Residence Permit valid till 01-Dec-2020
Eligible for Zoekjaar Hoogopgeleiden
(Orientation year Visa)