

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 on Open SQL
- 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 3D object classes without catastrophically forgetting known ones.
- From the whole model, only a sub-network is trained that is responsible for the new output class. If overall performance decreases, the model is expanded dynamically and trained again.

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 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.
- 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

TECHNICAL SKILLS

Python Matlab Java R C

Android SDK SQL SAP ABAP

Keras Tensorflow Flask

Windows Linux

COURSEWORK

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

Tamil

Nationality: Indian

EU Residence: The Netherlands

Study Residence Permit valid till 01-Dec-2020

Eligible for Zoekjaar Hoogopgeleiden

(Orientation year Visa)

