SUDHAKARAN JAIN

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EXPERIENCE

Machine Learning Intern
Breeze social

📅 February 2021 – Present　　📍 Delft

- Enhancing Collaborative Filtering technique by integrating deep learning visual model for profile recommendation in a Dating App. This model learns users' preferences for facial features from liked/disliked profile images and predicts which profiles to recommend in future.

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 (OpenSQL) developer for an Indian Retail client
- Optimized algorithms to reduce space and time complexity of programs that processed huge amount of data.

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.

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.

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.
- Accepted but yet to be published.

EDUCATION

M.Sc. in Artificial Intelligence
University of Groningen

📅 September 2018 – November 2020　　📍 Netherlands

B.E. in Computer Science
University of Mumbai

📅 August 2012 – May 2016　　📍 India

TECHNICAL SKILLS

Languages: `Python` `Matlab` `Java` `R` `C`

Databases: `OpenSQL` `Oracle` `PostgreSQL`

Framworks: `Keras` `Tensorflow` `Flask`

Platforms: `Windows` `Linux` `GCP`

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
Zoekjaar Hoogopgeleiden valid till 10-Mar-2022
(Orientation year Visa)