Narendiran Chembu

DATA SCIENTIST

Details

Amsterdam, Netherlands
0649975047
cgnarendiran@gmail.com

Links

Personal Website

Github

LinkedIn

Skills

Python

C++

PyTorch

TensorFlow

Pandas

SQL

Apache Spark

ROS

Hobbies

Hitchhiking, Playing the ukulele

Profile

Passionate coder with a strong foundation in mathematics and logical thinking. Proficient in developing machine learning and deep learning models. Adept with large scale data handling/analysis thereby creating technical solutions and valuable insights

Education

Masters in Artificial Intelligence, University of Amsterdam
SEPTEMBER 2018 — SEPTEMBER 2020

B.Tech in Mechanical Engineering, Indian Institute of Technology, Madras
JULY 2013 — MAY 2017

Internships

Data Science Research, ZyLab, Amsterdam
NOVEMBER 2019 — AUGUST 2020

- Thesis on adapting large scale language models like BERT for unsupervised cross-domain entity recognition on ENRON emails

Data Science Internship, CtCue, Amsterdam
JUNE 2019 — JULY 2019

- Built a generative seq2seq bi-layer LSTM tool for producing sequential synthetic patient records in accordance with the in-company data model, that can be used in testing the query pipeline system

Employment History

Teaching Assistant, UvA, Amsterdam
MARCH 2019 — MAY 2019

- Image Processing: Assisted in programming/written assignment creation and evaluation and personal face-time of 8 hrs/week for students of Bachelors AI

Project Associate, IIT Madras, Chennai
JANUARY 2017 — MAY 2018

- Embodied Cognition: Fabricated the perception-guided grasping pipeline on the Moveit! stack of ROS as an atomic task to build the behavior repertoire of the robot (includes a gripping arm and autonomous navigation)

Projects

Autonomous Ground Vehicle - For IGVC 2017
SEPTEMBER 2016 — JULY 2017

- Implemented the navigation stack: sensor fusion by EKF enabling end to end GPS way-point navigation. Designed and simulated the robot in Gazebo - a virtual physics environment to test SLAM and lane detection CV algorithms

Adsorption of cubosomes on hydrophobic surfaces
MAY 2016 — AUGUST 2016

- Conducted image analysis for high-speed captured drop-impact experiments and compiled the extracted data for retraction time. Simulated a Monte-Carlo Brownian dynamics to estimate the number of cubosome particles adsorbed on the hydrophobic surface