AVINASH PATHAPATI

Masters in Artificial Intelligence

@ avinashraj316@gmail.com   ♀ Groningen, Netherlands   ○ github.com/AvinashPathapati

EXPERIENCE

Teaching Assistant-Statistics
Bernouli Institute - University of Groningen

📅 Sep 2019 – Nov 2019   ♀ Groningen,Netherlands

- Taught exercise problems in statistics course for Bachelors in Artificial Intelligence and Computer Science
- Assisted in Grading the exercises

Senior Member of Technical Staff
Vymo Solutions Pvt Ltd

📅 Feb 2017 – June 2018   ♀ Bangalore,India

- Designed and developed Vymo config Management
- Designed and developed distributed processing of bulk importing jobs
- Developed SFTP framework for bulk records process and REST API for platform services

Software Engineer R&D
Reverie Language Technologies Pvt Ltd

📅 May 2016 – February 2017   ♀ Bangalore,India

- Designed and developed decision tree model for machine transliteration using Weka
- Developed deep learning model for Transliteration

Software Engineer
Cyient Ltd

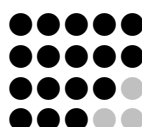📅 July 2012 – October 2015   ♀ Hyderabad,India

- Development of Client specific custom applications.
- Algorithmic design and implementation of generic framework for client specific reports.

ACHIEVEMENTS

- Grade of 9 for my master thesis
- Completed Machine Learning course on Coursera with an aggregate of 96.5 %.
- Solid foundation on the fundamentals of machine learning.
- Secured 99 percentile in the State Level Engineering Entrance Examination(EAMCET) in India out of 300,000 applicants applicants.
- Finished my bachelors with First class grade

SKILLS

Datastructures, Algorithms
Java, Python, Nodejs, Mongodb, SQL
R, Pytorch, Kafka, Keras
Elastic search, MATLAB, C++

HONORS & AWARDS

- Won Employee of the Quarter in Vymo Solutions Pvt Ltd for June'2017.
- Won two medals in week of code Hackerrank in competitive programming.
- Awarded with TTD Foundation Scholarship for the entire tenure of my undergraduation.

PROJECTS/COURSES

Master thesis : Geometric Deep learning
📅 Jan 2020 – Aug 2020 ♀ Groningen,Netherlands

- Predicting energy gap of molecular structures using Geometric Deep Learning.

Robotics
- Our group developed and implemented the code on ROS software to make the domestic robot navigate to a location, identify an object and grasp it .

Reinforcement learning Pacman
- Our team worked on comparing handcrafted features vs Deep reinforcement learning for Pacman.

Formal models of Cognition
- gained foundation on several types of formal models used in cognition like model based neuroscience techniques, mathematical models.

Statistical Pattern Recognition
- explored various statistical pattern recognition techniques in depth and implemented them as part of the course curriculum.

Deep learning
- explored different GAN algorithms namely WGAN, DCGAN on generating pokeman faces.

Handwriting Recognition
- Designed and implemented a pipeline using computer vision techniques to extract and identify the characters from the old historical documents.

EDUCATION

Msc,Artificial Intelligence
University of Groningen

📅 September 2018 – August 2020

B.Tech,Computer Science
Sri Venkateswara University College of Engineering

📅 June 2008 – May 2012