Mandar Chandorkar

Machine Learning Systems, Data Science, Applied Mathematics

Rotterdam, Netherlands
mandar2812@gmail.com
mandar2812.github.io

EXPERIENCE

Centrum Wiskunde & Informatica, Amsterdam &
INRIA, Paris-Saclay — *PhD Researcher*

September 2015 - PRESENT

Formulated machine learning algorithms for inference, forecasting and causality in space physics, using diverse data sources. Worked in a joint Dutch-French research effort advancing machine learning applications in space physics research.

Skillenza, Bangalore — *VP, Course Operations*

January 2014 - May 2014

Designed the syllabus and assessment of the courses offered in Big Data Analytics and Hadoop/MapReduce. Organised data science and mobile development hackathons..

Perk.com, Bangalore — *Software Engineer, Backend & Data Processing*

September 2012 - January 2014

In charge of development of back-end software, using *Mapreduce*, SQL and scripting capabilities to generate reports/visualizations for admin screens of incubated products.

EDUCATION

KU Leuven, Leuven, Belgium - *M.S. Artificial Intelligence, Cum Laude*

September 2014 - September 2015

Machine Learning: *Neural Networks & Deep Learning*, *Support Vector Machines, Probabilistic Forecasting*. **Computer Vision**: *Image Segmentation*, **Information Retrieval**.

IIT Kharagpur, India - *M.Tech & B.Tech, Manufacturing Science, Honors*

July 2007 - May 2012

Operations Research, Dynamics, Systems and Control, Manufacturing Processes.

PUBLICATIONS

Multiple-Hour-Ahead Forecast of the Dst Index Using a Combination of Long Short-Term Memory Neural Network and Gaussian Process — *Space Weather 2018*

Probabilistic forecasting of the disturbance storm time index: An autoregressive Gaussian process approach — *Space Weather 2017*

Fixed-Size Least Squares Support Vector Machines: Scala Implementation for Large Scale Classification — *IEEE CIBD 2015*

OPEN SOURCE

DynaML

A software platform written in Scala for end-to-end Machine Learning. Perform modelling on big & small data.

PlasmaML

Machine Learning tools for Space Weather and Plasma Physics

PROGRAMMING

High Proficiency:
Scala, Java, Python, TensorFlow, Spark, Hadoop

Intermediate Proficiency:
R, PHP, SQL

Basic: JavaScript

CERTIFICATIONS

Coursera:

Introduction to Recommender Systems: University of Minnesota, Twin Cities.

Computing for Data Analysis: Johns Hopkins Bloomberg School of Public Health.