Vipin **Kumar**

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Education

Guru Gobind Singh Indraprastha University *Delhi, India*
BTech in Chemical Engineering *Aug 2011 – June 2015*
GPA: 80%

Self-learning *Online*
Computer Science, Machine Learning *2016 – Present*

Experience

Indian Oil Corporation Limited *Panipat Area, India*
Summer Trainee *Jul 2014 – Aug 2014*

Skills

Machine Learning: Deep Learning, CNN, RNN, Feature Engineering, Probability, Statistics, Data Mining and Cleaning
Languages: Python, Matlab/Octave, Java, C, JavaScript, PHP, SQL, Standard ML, Racket
Tools: Scikit-Learn, Keras, TensorFlow, Spark, Pandas, NumPy, OpenCV, XGBoost, Linux
Computer Science: Programming language theory, Functional Programming, OOP, Systematic Program Design

Projects

Self-Driving: Lane Detection *OpenCV, Numpy, Python*
PROGRAM TO DETECT LANES IN A VIDEO OF A ROAD

Predict Future Sales *Python, Time-series, Target-encoding, Feature Engineering*
Predict total sales for every product and store in the next month from a time-series dataset of daily sales data

Neural Style Transfer *Transfer-learning, Tensorflow*
Implementation of a Neural Netwrok to perform Style Transfer, using transfer learning of a VGG19 imagenet model

Web scraping price *Web-scraping, BeautifulSoup, Data-mining, Regular-expression*
A Web Scraping program to scrap Laptop prices and their specifications

Webliza *Javascript, Python, CSS, Html, Bootstrap*
Implementation of ELIZA-chatbot in python, with user-interface to chat with the bot.

Text Generation *RNN, LSTM, textgenrnn*
Text generation from a Recurrent Neural Network trained on 'The Ramayana of Valmiki'

Awards

Aug 2014	**IICHE Golden Jubilee Scholarship 2014-2015**,	*Indian Institute of Chemical Engineers*
Dec 2011	**!st prize in Personality Development through Self-Awareness**,	*International Society for Krisna Consciousness*