Vipin **Kumar**

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Education

Guru Gobind Singh Indraprastha University	*Delhi, India*
BTECH IN CHEMICAL ENGINEERING	*Aug 2011 – June 2015*
First Division with Distinction, GPA: 80%	
Self-learning	*Online*
COMPUTER SCIENCE, MACHINE LEARNING	*2016 – Present*

Skills

Machine Learning, Deep Learning, Feature Engineering, Model Deployment, Data Mining, Data Cleaning, Version Control, Python, Scikit-Learn, Keras, TensorFlow, Pandas, NumPy, CNN, RNN, SQL, Probability, Statistics, Linux, Computer Vision, Heroku, AWS, Matlab/Octave, Java, C, JavaScript, Apache Spark, OpenCV, XGBoost, Flask, Programming Language Theory, Functional Programming, Object Oriented Programming, Systematic Program Design

Projects

Research: Automatic Features *Neural Network, XGBoost, Keras, Numpy, Feature Engineering*

EXPLORING AUTOMATION OF FEATURE ENGINEERING USING NEURAL NETWROKS AND INVESTIGATING THE EFFECTS OF USING HIDDEN LAYER ACTIVATIONS AS INPUT FEATURES

Self-Driving: Lane Detection *OpenCV, Numpy, Python*

PROGRAM TO DETECT LANES IN A VIDEO OF A ROAD

Deployed Model to Predict Future Sales *Python, Time-series, Target-encoding, Feature Engineering, Incremental Learning, Model Deployment*

DEPLOYED MODEL TO PREDICT TOTAL SALES FOR EVERY PRODUCT AND SHOP FOR THE NEXT MONTH, FROM A TIME-SERIES DATASET CONSISTING OF DAILY SALES DATA

AI-Copter *Python, NEAT, Game Development, NeuroEvolution*

AI THAT LEARNS TO PLAY THE RECONSTRUCTION OF THE CLASSIC COPTER GAME

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

Awards

Aug 2014	**IICHE Golden Jubilee Scholarship 2014-2015,**	*Indian Institute of Chemical Engineers*
Dec 2011	**1st prize in Personality Development through Self-Awareness,**	*International Society for Krisna Consciousness*