

Vipin Kumar

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Education

Guru Gobind Singh Indraprastha University

BTECH IN CHEMICAL ENGINEERING

GPA: 80%

Delhi, India

Aug 2011 – June 2015

Self-learning

COMPUTER SCIENCE, MACHINE LEARNING

Online

2016 – Present

Experience

Indian Oil Corporation Limited

SUMMER TRAINEE

Panipat Area, India

Jul 2014 – Aug 2014

Skills

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

Projects

Research: Automatic Features

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

Neural Network, XGBoost, Keras,
Numpy, Feature Engineering

Self-Driving: Lane Detection

PROGRAM TO DETECT LANES IN A VIDEO OF A ROAD

OpenCV, Numpy, Python

Deployed Model to Predict Future Sales

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

Python, Time-series,
Target-encoding, Feature
Engineering, Incremental Learning,
Model Deployment

AI-Copter

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

Python, NEAT, Game Development,
NeuroEvolution

Web scraping price

A WEB SCRAPING PROGRAM TO SCRAP LAPTOP PRICES AND THEIR SPECIFICATIONS

Web-scraping, BeautifulSoup,
Data-mining, Regular-expression

Webliza

IMPLEMENTATION OF ELIZA-CHATBOT IN PYTHON, WITH USER-INTERFACE TO CHAT WITH THE BOT.

Javascript, Python, CSS, Html,
Bootstrap

Awards

Aug 2014 IICHE Golden Jubilee Scholarship 2014-2015,

Indian Institute of
Chemical Engineers
International
Society for Krishna
Consciousness

Dec 2011 1st prize in Personality Development through Self-Awareness,