

# Vipin Kumar

✉ vipin.ind.kumar@gmail.com | ☎ +91 8882997454 | 🔗 <https://vipinindkumar.github.io/github.com/VipinindKumar> | [linkedin.com/in/vipinindkumar/](https://www.linkedin.com/in/vipinindkumar/)

## 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,