

# Vikrant Rajput

Software Engineer, Data Scientist

iamvikrantrajput@gmail.com

+91 9557517462

linkedin.com/in/iamvikrantrajput

I'm a person who enjoys Mathematics and working with data, and hence to advance in this field, and I'm gaining skills related to it. I'm well versed with EDA, Linear Algebra, Probability, Statistics, and SQL, possess strong knowledge and have hands-on experience with the ML Algorithms. And I'm exploring the field of Deep Learning.

## SKILLS

C C++ Python Object Oriented Programming Data Structure Algorithms Mahince Learning  
Deep Learning EDA OpenCV NLP Database Management System MySQL Operating System  
Computer Network Cloud Computing Git AWS

## WORK EXPERIENCE

### ○ Institute Virtual Internship

Indian Institute of Information Technology Una

01/2021 - 06/2021

Una, HP, India

*Achievements/Tasks*

- Worked under **Dr Bhuvaneshwari Amma** to develop a model that helps the self-driving car **detect and recognize traffic signs** with the help of a colour-based model and CNN model.
- Firstly, trained model in Darknet framework **detects Traffic Signs among 4 categories** by OpenCV dnn library.
- Then, trained model in Keras **classifies** cut fragmets of Traffic Signs into one of **43 classes**.
- Results are experimental, but can be used for further improvements.

Contact : Dr Bhuvaneshwari Amma - Assistant Professor, SCOPE, Vellore Institute of Technology, Chennai

## PERSONAL PROJECTS

Chatbot (07/2021 - 11/2021)

- *conversational AI is a form of artificial intelligence that facilitates the real-time human-like conversation between a human and a computer.*
- *To build a conversational AI t with the help of Neural Language Processing and Transformer Architecture on the Cornell movie dataset.*

Movie Recommendation System (01/2022 - 01/2022)

- Recommender System is **A system seeks to predict or filter preferences according to the user's choices.**
- Identify movies that customers want to watch, as demonstrated by their post-viewing rating.

## EDUCATION

### ○ B.Tech (Computer Science)

Indian Institute Of Information Technology Una

07/2018 - 06/2022

Una, Himachal Pradesh, India

*Courses*

- Operating System, Computer Network, OOPs, Machine Learning, Soft Computing, Deep Learning

## EDUCATION

### Secondary Education (Science, Mathematics)

Jawahar Navodaya Vidyalaya Mainpuri

04/2015 - 03/2017

Uttar Pradesh, India

[ GPA  
- Percentage: 83.6% ]

### Higher Education

Jawahar Navodaya Vidyalaya Mainpuri

04/2013 - 03/2015

Uttar Pradesh, India

[ GPA  
- GPA: 9.2 ]

## CERTIFICATES

### IBM Data Science Specialization (08/2021 - Present)

*I developed and honed hands-on skills in Data Science and Machine Learning. I started with an orientation on Data Science and its Methodology, became familiar with and used various data science tools, learned Python and SQL, performed Data Visualization and Analysis, and created Machine Learning models.*

### Natural Language Processing Specialization (05/2021 - Present)

*I have learned the classical machine learning skills and the state-of-the-art deep learning techniques needed to build NLP systems. Now I am equipped to design applications that perform question-answering and sentiment analysis, create tools to translate languages, summarize text, and build chatbots.*