E-mail: rajkumar.galaxy@gmail.com

LinkedIn: https://linkedin.com/in/rajkumarl

GitHub: https://github.com/RajkumarGalaxy

Profile: https://rajkumargalaxy.github.io/r

Location: Tiruchirapalli, India

General Purpose Language
Python 3

ML Frameworks
TensorFlow, Keras, PyTorch

ML Libraries
SciKit-Learn, SciPy, statsmodels

Data Wrangling & Analysis
Pandas, NumPy

Data Visualization
MatplotLib, Seaborn

Natural Language Processing
NLTK, spaCy, HuggingFace

Computer Vision
OpenCV, Pillow, skimage

Data Mining & Scraping
BeautifulSoup, PRAW, requests

Version Control System
Git, Git-LFS

Query Language
SQL

Databases
MySQL, MS SQL Server, BigQuery

Cloud
GCP (Basics)

IDE
Jupyter, Spyder, Anaconda, PyCharm, Shell

Key Certification
Data Science Domain (Jan 2021) – NPTEL IITs and CMI (Topper in 4 courses)

1. Programming, Algorithms & Data Structures Using Python – 88 %
2. Python for Data Science – 89 %
3. Introduction to ML – 78 %
4. Practical ML Using TensorFlow – 86 %
5. Deep Learning – 80 %
6. Applied NLP – 71 %
7. Data Analytics with Python – 83 %

Education
M.Eng. Engineering Design 2014-2016
- 5th Univ Rank, Anna University 8.6 CGPA

B.Eng. Mechanical Engineering 2006-2010
- 13th Univ Rank, Anna University 88.4%

Interests
Kaggling – Practicing Martial Arts – Reading Novels – Playing Chess – Cycling – Writing Novels & Poems

RAJKUMAR LAKSHMANAMOORTHY

Machine Learning | NLP | Computer Vision

Can join immediately / relocate to anywhere / work remotely

Career Objective
To secure a responsible career opportunity in a challenging data science environment that necessitates creative thinking, quick problem solving and continuous learning.

Internship and Relevant Experience

1. Analytics India Magazine, Bangalore – Data Science Intern
***Duration*:** 3 months – Mar 2021 to May 2021
Role: Writing articles in Machine Learning, Deep Learning, Data Analysis, NLP, Computer Vision, and Time-series – Exhaustive Literature Review
Link to works: https://analyticsindiamag.com/author/rajkumaranalyticsindiamag-com/

2. NIRO Projects, Tiruchirapalli – Founder & Executive Engineer
***Duration*:** 1 year – Nov 2019 to Oct 2020
Role: Statistical Data Analysis and Visualization using Python, Pandas, NumPy, SciPy and Matplotlib – Electronics Embedding using Rapberry Pi & Arduino.

ML Forum (Link to profile: https://kaggle.com/rajkumarl)
Kaggle 3x Expert with 9 Datasets, 20 Notebooks, 120+ Discussions

ML Blogs (Link to Blogs: https://rajkumargalaxy.github.io/r/blogs)
Written so far 70+ blogs, tutorials and review articles in Machine Learning, NLP, Computer Vision and Python-OOP

ML Projects (Link to Projects: https://rajkumargalaxy.github.io/r/projects)

1. Wiki-IR-ChatBot
- NLP | Information Retrieval | Web Scraping | NLTK | BeautifulSoup
- A ChatBot that responds to humans by retrieving information from Wikipedia.

2. Conversational AI Chatbot
- NLP | NLU | DialoGPT model | Transformers | Object-Oriented Programming
- Intelligent ChatBot that makes cognitive conversations with human users.

3. Jane Street Market Prediction
- Time-Series | ResNET | ML Interpretation with SHAP | Feature Engg
- Predicting share market price using LSTM-based ResNET architecture.

4. NLP Tasks in Two-Lines of Code
- NLP | HuggingFace | Transformers | Pipelines
- Sentiment Analysis, Feature Extraction, Zero-shot Classification, Text generation, Mask filling, NER, Question Answering, Text summarization and Translation.

5. Ruddit Comment Extraction
- Data Mining | Text Scraping | Reddit API | PRAW
- Ruddit Comments extracted from Reddit using Python Web Scraper PRAW based on a recent research paper.

6. Sentiment Analysis on WNLI Dataset
- NLP | BERT | PyTorch | Transformers | Fine-tuning | GLUE Benchmark
- Sentiment Analysis on WNLI by fine-tuning a BERT model in PyTorch.

7. People Clothing Image Segmentation
- Computer Vision | OpenCV | TensorFlow | U-Net | ResNet Encoder
- Data collection and cleaning, Data pre-processing, Modelling U-Net Architecture with a pre-trained ResNet encoder, Fine-tuning, Model evaluation

8. Linear Image Filtering
- Computer Vision | Python | Convolution | Cross-Correlation | Image Filter
- Tasks such as Cross-correlation, Convolution, Properties of convolution with proof, Moving average filter, Gaussian filter, Edge filter and separable filters.