

# Rahul Kumar

Data Scientist | KAGGLE COMPETITION CONTRIBUTOR

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GitHub: <https://github.com/rahul263-stack>  
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Data Scientist with strong math background and experience of using predictive modeling, data processing, and machine learning algorithms to solve challenging problems. Well informed about advancements in machine learning and deep learning algorithms.

## PROJECT & COMPETITIONS

B. Tech Project	Built an optical character recognition. In other word handwriting recognition using CRNN architecture for an deep learning based OCR Model using CNN-biLSTM architecture model. <i>Tech Stack - Python, TensorFlow(CNN), OpenCV, Pandas, NumPy</i> <i>Link : <a href="https://github.com/rahul263-stack/ML-project">https://github.com/rahul263-stack/ML-project</a></i>
Disaster Response Pipeline	Developed a NLP model to categorize the message in real time. Applied data engineering to analyze disaster data from figure eight to build a model for an API that classifies disaster message <i>Tech Stack - Python, TensorFlow(RNN), Heroku</i> <i>Link: <a href="https://github.com/rahul263-stack/Disaster-Response-Pipeline">https://github.com/rahul263-stack/Disaster-Response-Pipeline</a></i>
Self-Driving Car	This project is implementation of End to end learning for self driving car research paper by NVidia <i>Tech Stack - Python , TensorFlow , OpenCV , Heroku, SciPy</i> <i>Link - <a href="https://github.com/rahul263-stack/Self-Driving-Car">https://github.com/rahul263-stack/Self-Driving-Car</a></i>
Recommendations With IBM	Created a recommendation system to determine which article to show to each user by using dataset from IBM Watson studio <i>Tech Stack : python, scikit learn, pandas ,NumPy</i> <i>Link - <a href="https://github.com/rahul263-stack/Recommendation-with-IBM">https://github.com/rahul263-stack/Recommendation-with-IBM</a></i>
Kaggle 12 <sup>th</sup> place	Udacity ML charity Competition I <i>Applied supervised learning techniques and an analytical mind on data collected for the U&gt;s census to help Charity (a fictitious charity organization to identify people most likely to donate</i> <i>Tech Stack - Python, pandas, sklearn</i> <i>Link - <a href="https://github.com/rahul263-stack/kaggle-competition">https://github.com/rahul263-stack/kaggle-competition</a></i>
Starbucks Challenge	Created a model to identify which groups of people are most responsive to each type of offer , and how best to present each type of offer. <i>Tech Stack - Python, pandas, TensorFlow</i> <i>Link - <a href="https://github.com/rahul263-stack/Starbucks-capstone-project">https://github.com/rahul263-stack/Starbucks-capstone-project</a></i>
Kaggle (Active)	Currently working on Kaggle challenge Feedabck Prize _Evaluating Student Writing <i>Tech Stack - Python, pandas, TensorFlow</i> <i>Link <a href="https://www.kaggle.com/c/feedback-prize-2021">https://www.kaggle.com/c/feedback-prize-2021</a></i>
OCR Identity System(ACTIVE*)	To extract details from Indian national identification cards like aadhar card, pan card etc. <i>Tech Stack - Python, pillows, TensorFlow, Open cv</i>

## COMPETENCIES & PERSONAL SKILLS

Competencies	<b>Machine Learning</b> - employment of several core machine learning algorithms: boosted trees or deep learning <b>Data Engineering</b> - acquisition of large data, feature extraction, data transformation, extracting semantics <b>Data Visualization</b> - identifying scopes of improvement, generating insights and dashboarding <b>Statistics</b> - hypotheses testing, Bayesian inference, frequency statistics, regression analysis
Programming Skills	- Python, ML , computer vision, NLP, TensorFlow, PostgreSQL, Hadoop ,PyTorch, , Streamlit, Heroku, Git, Docker etc.

EDUCATION

Year	Degree/Exam	Institute	CGPA
2019-current	B. TECH(CSE – Minor(Machine Learning)	Lovely Professional University	8 / 10 *
2018	All India Senior School Certificate Examination	My Own School, Jaipur	9.8 CGPA
	All India Senior School Certificate Examination	My Own School, Jaipur	
2016			

COURSES

ANALYTICS	Machine Learning   Probability & Statistics   soft computing   Computational Neuroscience
PROGRAMMING	Optimization & Heuristic Methods   Deep Learning   Open CV   Programming & Data Structures

COURSES AND CERTIFICATES

- \* Udacity Data Science nanodegree - UDACITY
- \* Natural Language Processing Specialization -COURSERA/Deeplearning.ai
- \* TensorFlow Professional Certificate – COURSERA/TensorFlow
- \* Deep Learning Specialization – Coursera/Deeplearning.ai
- \* Advance Machine Learning Specialization – National Research University- Higher School of economics
- \* Practical Reinforcement Learning – HSU
- \* Deep Learning - Nvidia
- \* Kaggle Competition Contributor – Among top 10% of kagglers.