Ritika Saxena

CONTACT INFORMATION

Address: Available on request
Email: ritikasaxena0320@gmail.com
Contact: Available on request

EDUCATION

Shri Shankaracharya Technical Campus- Bhilai, Chhattisgarh, India
Bachelors of Engineering **August 2018 - August 2022**

- **Major: Computer Science and Engineering**
- SGPA(Third Semester): 7.89

WORK EXPERIENCE

Indian Institute of Technology Kanpur **April 2020 - June 2020**
Summer Research Intern (Applied ML and Data Science) Mentor: Prof Laxmidhar Behera
Learned and applied machine learning concepts in the real world environments. Completed a Research Project titled, *'ADTrap: Adverse Drug Reaction Classification with NLP Tools and Deep Learning Methods.'* Completed specialization in TensorFlow 2.0.

KEY PROJECTS

Summer Internship Research Project **April 2020 - July 2020**
ADTrap Mentor: Prof. Laxmidhar Behera
Primary Intent was to explore the extent to which ADR assertive text segments can be classified from text based Data sources, particularly social media sources and structured datasets. Investigated different Neural NetworkArchitectures for ADR classification. Explored NLP techniques to extract informative and portable features from Text coming from different sources.Investigated the performance of supervised classification approaches from data from social media to data from other more structured and unstructured sources.

Undergraduate Project **December 2019- March 2020**
Speech Recognition System Mentor: Asst. Porf. C V Rao
The approach was well optimized RNN training system that uses multiple GPU's as well as set of data synthesis techniques that allowed us to efficiently obtain a large number of varied data for training. The system does not need hand design equipments to model background noise, reverberation, or speaker, vibration but instead directly learns a function that is robust to such efforts.

MINOR PROJECT

Undergraduate Project **May 2020 - August 2020**
Image Classification Model Mentor: Kshitij Soni(UG-IIPE, Vizag)
Image classification problem can be solved by many different models and techniques. This project aims to gain a deeper understanding on classification of models and their performance on Fashion-MNIST dataset. The dataset consists of greyscale images from 10 different categories. The Fashion-MNIST dataset intends to be a drop, in place of numeric-MNIST dataset, as the image shares the same size, same data format and the same training and testing structure.

TECHNICAL SKILLS

Programming Languages C,C++, Python, R
Web Development HTML/CSS, PHP, Javascript

Ritika Saxena

Software	TensorFlow, Keras, Ubuntu, UNIX, Microsoft Visual Code, Android Studio , SQL, Kaggle
Other skills	Applied Mathematics, Applied Physics, Applied Chemistry
Platforms	Hadoop, LINUX

INDUSTRY KNOWLEDGE Marketing, Finance, Sales, Business Growth, Team Leadership, Vision.