

RACHEL DAWN

DATA SCIENTIST

PERSONAL PROFILE

The majority of my work experience includes Computer Vision, Deep Learning and NLP. I have worked on traditional machine learning algorithms like SVM, Random Forest, Logistic Regression, Linear Regression, KNN, K-means Clustering, etc. and Deep Learning algorithms like YOLO, Baidu's DeepSpeech, FCN on Keras and Pytorch architectures.

SKILLS

Deep learning, Python, SQL, Keras, PyTorch, PySpark, Data Science, Data Analysis, Machine Learning, Natural Language Processing, Artificial Intelligence, Computer Vision, Pattern Recognition, NLP, OpenCV, Image Processing.

PROJECTS

End-to-End Computer Vision Model for Hindi Sentence Recognition.

WORK BACKGROUND

Innoplexus

Data Scientist Nov 2019 to Till Date

Build an end-to-end, Computer Vision and NLP-based PDF-Extractor model to convert unstructured congress research paper pdf documents into a structured and categorical format with a micro-average F1-score of 0.84.

Created a model for identification and conversion of the graphical representations of chemical structures from literature sources into SMILES. Used OpenCV for various image preprocessing and OSRA an open-sourced tool for SMILES generation.

EDUCATION

Dual Degree (B.tech + M.Tech)(Chemical) from Indian Institute of Technology (IIT), Kharagpur in 2019

OTHER ACTIVITIES

Natural Language Mastery - DataCamp