

# RAHUL DOGRA

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## EDUCATION

NIIT

Post Graduation Diploma in Banking Operations

📅 2016 – 2016

Sherwood College of Professional Management

Bachelor of Computer Application

📅 2012 – 2015

Lucknow Public School(ICSE BOARD)

Higher Secondary Certificate

📅 2011 – 2012

## EXPERIENCE

Senior Software Engineer - AI/ML

Cignex Datamatics

📅 Oct 2021 – Present

📍 Gurugram, India

**NLP and AIOps - Intelligent Document Processing - Wipro**

- Created a Smart Extraction Tool for Wipro which can extract 26 entities/attributes from different types of documents(pdf, docx, word, scanned images ) and configured Nvidia GPU,CUDA with AWS server for training.
- **Technology:** Python | PdfTolImage, Pytesseract, Regex,Beautiful soup,NLTK, Spacy3 , Gpt2, RoBerta-Base,OpenCV, AWS, Linux, Nvidia Tesla GPUv100,Text Annotations Manual Tool

AR Associate

GeBBS Healthcare Solutions

📅 Jan 2020 – Feb 2021

📍 Mumbai, India

A Medical Billing International US based company: To make sure claims get paid to providers by insurance company through analyzing the historical data )

Senior Officer-Analytic

ICICI BANK

📅 Dec 2016 – Jan 2019

📍 Noida, India

**CREDIT CARD LEAD PREDICTION - PREDICTIVE ANALYSIS**

weekly productive and analysis reports.Achieved in predicting the rich customers who could buy credit cards.Technology: Python | Machine Learning Boosting Algorithms|NN|EDA)

Trainee | INTERNSHIP

ReGex Software Services

📅 Jan 2021 - April 2021

📍 Jaipur,India

**Internship Project**

- Iris Flower Classification Problem
- **Technology**Python | XGBoost |KNN | Artificial Neural Network

## SKILLS

- **Image Processing:** OpenCV, PyTesseract, OCR Extraction,Matlab
- **Text Processing:** Spacy, NLTK, Hugging Face
- **Machine Learning:** sklearn, numpy, pandas, AutoML
- **Deep Learning:** TensorFlow, Pytorch
- **Languages :** Python, C++
- **Web Based Technologies:** Django,Flask
- **Version Control Systems:** GitHub, BitBucket
- **Databases :** Microsoft SQL,SQLite
- **Visualization Tools :** Matplotlib,Seaborn,Plotly,Cufflinks,Folium Maps
- **Deployment :** Docker, AWS Lambda, AWS with SageMaker, Heroku
- **Others :**Web Scraping , Analysis, Meta Data creation, Image/Text Annotations,Transfer Learning

## ACHIEVEMENTS

- **Rank - 144 in (JOB-A-THON) :**  
Issued by Analytics Vidhya · Sep 2021
- **Merlin Fit - Adidas :**  
Created AI GYM Model using MediaPipe BlazePose Library which required Linear Algebra, Co-ordinate System , Calculus concepts to understand co-ordinates of human beings and create Meta Data for training

## PROJECTS

**Vision Transformer(ViT) on Image Classification**

- Trained MNIST dataset using visual Transformers. We can achieve State of the Art even using transformers for building Computer Vision Models. NO CNN Required.
- **Technology:** vit pre-trained model | Python | Pytorch

**Sentiment Analysis using LSTM Packed Sequence**

- Implementation of LSTM layers with pre-trained word embeddings to predict the polarity of textual data in Pytorch

**Transfer Learning with different CNN Architectures**

- Used pre-trained Resnet, ImageNet
- **Technology:** resnet pre-trained model | Torchvision | Pytorch

**Linux Path Traversal and AIOps**

- Created virtual linux terminal on AWS server that can execute various commands: md, cd, cd.., ls, pwd, dir, rm, cp, mv, and configured GPU
- **Technology:** Linux, WinSCP,Putty,CUDA10.2