

# Ajay K. Gond

Graduated from IIT Kanpur  
Department of Civil Engineering

Email id: kumar.ajayg9667@gmail.com

Mobile No: 9696548367

## EDUCATIONAL QUALIFICATIONS

Year	Program	Institution	CPI/%
2015-2019	Civil Engineering (B.Tech)	Indian Institute of Technology, Kanpur	7.5
2015	XII (Uttar Pradesh Board)	Maharshi Arvind Vidya Mandir H.S. School, Kushinagar (U.P.)	92.0%
2013	X (Uttar Pradesh Board)	Maharshi Arvind Vidya Mandir H.S. School, Kushinagar (U.P.)	93.7%

## SCHOLASTIC ACHIEVEMENTS

- Participated in the academic and interaction session during Inspire Internship Program 2013 held under **6<sup>th</sup> Science Conclave-2013**, a congregation of Nobel Laureates and eminent scientists in IIIT Allahabad
- Got certificate of excellence in Corporate Group of Institutions, Bhopal (M.P.)
- Got first rank in State Science Fair-Saraswati Vidya Mandir Mau (UP) and participated in State Level Science Fair-Sitapur (UP)

## TECHNICAL SKILLS

- Language** : Python, R, C, MATLAB, SQL, HTML, CSS, Node Js
- Software/Systems** : Linux, Windows, MS Excel, MS Word, STAAD.Pro, AutoCAD, ArcMap (QGIS)
- Cloud Services** : Amazon Web Services, Google Cloud, Azure ML Studio

## PROJECTS UNDERTAKEN in COLLEGE

- NPAs Prediction of Banking Systems in India**
  - This project was part of Data Mining course. Problem statement was to predict NPAs of banking system in India. Used different types regression algorithms along with feature engineering techniques e.g. (Relief family of algorithms for feature selection)
- Hypothesis Testing for Multiple Distributions**
  - Performed Goodness of fit tests to check type of distribution the raw data is following- Chi Square test, Kolmogorov-Smirnov and Anderson Darling test.

## 2+ years of PROFESSIONAL-EXPERIENCE in QUANTIPHI

- Interactive Chatbot**: - Designed a fully trained insights-interactive chatbot for insurance domain using the Dialogflow and NLP. It has all the advanced features like sending mail, push notifications, setting reminder for the calendar invites.
- Bottle cap Recognition**: - Had to recognise characters (combination of number and alphabets in any orientation) on a bottle cap image. Used transfer learning for bounding box detection for area of interest and further trained ML modes (CNN+RNN) for character level recognition.
- Table Detection and content Extraction**: - Successfully detected tables from articles (Implemented Fast RCNN, Faster RCNN, SSD for detection) on top of detection also used OCR to extract the contents in the spreadsheet. Deployed the same in AWS.
- Leaving Group Prediction**: - This project was based on classification problem in which we had to predict the probabilities of leaving groups. Used different types of ML Algorithms (XGBoost, LightGBM, CatBoost, Sklearn Linear models). Deployed the same using Flask-Framework to create a RESTAPI and hosted the same on cloud.
- Anomaly Detection**: - Successfully implemented AutoEncoder for anomaly detection in sensor dataset. Created a RESTAPI and deployed it in AWS using custom docker-image.
- Key-Value Pair Extraction**: - Successfully extracted key value pairs from claim document under a insurance domain. Tried deep learning algorithms and Spacy pipeline.

## PUBLICATIONS

- Article**: Wrote an article based on advanced techniques in Deep Learning (NLP). This article stands for back-tracking drivers that result a sentiment value for a given description. Here is the link for published article : <https://medium.com/analytics-vidhya/extraction-of-sentiment-drivers-9803bb8fecaa>
- Research Paper** : Co-authored and presented the paper in 7<sup>th</sup> International and 45<sup>th</sup> National Conference on Fluid Mechanics and Fluid Power on 10<sup>th</sup>-12<sup>th</sup> Dec'2018, IIT Bombay, Mumbai

## RELEVANT COURSES

Introduction to Deep Learning	Advanced Machine Learning (Speciality)	AWS Machine Learning
Fundamentals of Computing	Data Mining	Computational Methods in Engineering
Partial Differential Equations	Applied Probability and Statistics	Statistical Analysis and Modelling

## EXTRA-CURRICULAR ACTIVITIES

- Member of managing committee in **Takneek'16 and Techkriti'18**.
- Interested in : Chess, Poker, Cricket, Badminton, Football

## POSITION OF RESPONSIBILITY

- Membership in Technical-Content-Writing team under hiring committee.
- Having a role of machine learning trainer in the organization.
- Membership in sports club management. Designed automation process for auctions.