

Pankaj Kumar Gupta

Education

- **Central University of Rajasthan** *June 2019 – present*
Masters of Science in Computer Science (Big Data Analysis)
- **Bishop Heber College** *June 2016 – May 2019*
Bachelors of Science in Mathematics

Experience

- **Tata Consultancy Services** *Feb 2021 – June 2021*
Data Science Intern
 - Worked on NLP task, specifically a question-answering Chatbot
 - Tested and deployed BERT, LSTM, for entity extraction
 - Used bagging model, Random Forest to predict the answer for a query
- **Consulting and Analytics Club, IITG** *April 2020 – June 2020*
Summer Analytics Participant
 - Learnt about various Machine Learning techniques from data collection, exploration, visualization
 - Took part in a Capstone Project Competition where I was placed in top 50 percentile

Projects

- **Sudoku Solver** *Jan 2021- Feb 2021*
 - Computer Vision project which involves taking an image of a Sudoku and returning the solved grids
 - Used Computer Vision techniques to extract the grids and Deep Learning to identify the numbers
- **Butterfly Species Classification** *Dec 2020 – Jan 2021*
 - Multiclass Image Classification project to classify image of a butterfly in one of 50 different species
 - Used TensorFlow and Keras to get pre-trained models, like VGG16, ResNet, for Transfer Learning
 - Deployed on Heroku using Streamlit
- **Fake News Detection** *Sep 2020 – Oct 2020*
 - Classification project to distinguish Fake News from Real News
 - Used Naïve Bayes Classifier and Passive Aggressive Classifier
 - Got accuracy of 99% using Passive Aggressive Classifier
- **Employee Attrition Prediction** *Jun 2020 – July 2020*
 - Prediction of attrition possibility of an employee based on various parameters
 - Did lots of visualization and EDA to extract the important features
 - Got an accuracy score of around 77%

Technical Skills

- **Skills:** Python, SQL, Machine Learning, Deep Learning, Statistics, Mathematics

Certifications

- **Deep Learning (NPTEL):** <https://imgur.com/SnhqjFE> *Sep 2020 – Dec 2020*
- **Applied Natural Language Processing (NPTEL):** <https://imgur.com/3lnr2dr> *Sep 2020 – Dec 2020*

Programming Experience/Achievements

- Got 5 star badge for problem solving in HackerRank
- Got 5 star badge for SQL in HackerRank
- Got 2 star badge for problem solving in LeetCode