

Prateek Agrawal

[linkedin.com/prateekagrawal](https://www.linkedin.com/in/prateekagrawal)
prateekagrawal1405@gmail.com

github.com/prateekagrawal
(+91) 9999211405

I'm currently pursuing my Dual Degree (B.Tech + M.Tech) program at Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, with an avid interest in the field of machine learning and data science.

AREAS OF INTEREST

- **Programming Languages** : C, Python, HTML, CSS, PHP and MySQL.
- **Python Libraries** : Numpy, Pandas, Pickle, Matplotlib, TuriCreate, Spacy, Joblib and Scikit-Learn.
- **Data Structures** : Dictionary, AVL Tree, Binary Search Tree, Stacks, Queues, Heaps, Hash Table, Arrays, Linked Lists

ACADEMIC DETAILS

Degree/Examination	Institute	Year	CGPA or Percentage
CGPA till 3 rd Semester	IIITD&M, Kancheepuram	2018-2019	9.24/10
Class 12 th	Birla Vidya Mandir, Nainital	2017	94.6%
Class 10 th	Birla Vidya Mandir, Nainital	2015	10/10

INTERNSHIP

ADDVISUALS SERVICES PVT. LTD.

Dec 2019

- Learnt to work on CodeIgniter Framework (MVC) of PHP and MySQL to design and implement User Login.

ACADEMIC PROJECTS

Web Development

Jan'20 - Present

- Developed (**Lost&Found**) website, using PHP and MySQL, implementing Lost Reports, Search and User Modules

Machine Learning

Mar'20 - Present

- Cat-Classification Model using Logistic Regression and Simple Neural Network achieving an accuracy of 70%
- Language Classification Model using CountVectorizer and Multinomial Naive Bayes Classifier for English, Slovak and Czech
- Sentiment Analysis Model using Scikit-Learn's NLTK, TF-IDF and Logistic Regression to predict movie reviews from IMDB dataset.
- House Price Prediction model based on categorical and numerical features of the house.
- Used Imputation and Extended-Imputation to handle missing data and Label Encoding and One-Hot Encoding for categorical data and obtained best results with Imputation and Label Encoding.
- Experimented with Linear Regression, DecisionTreeRegressor and RandomForestRegressor models and obtained best results with RandomForestRegressor model for houses in Iowa, Melbourne and in Boston.
- Trained Breast Cancer prediction model using Support Vector Machines to classify the tumor into two categories : Benign and Malignant.
- Used Decision Trees to predict the drug for the patient while handling categorical data in the dataset.
- Experimented with Simple Linear Regression, Polynomial Regression and Multivariate Regression to obtained best results with Multivariate Regression to predict the CO2 Emission of a vehicle.

CERTIFICATIONS

- **Machine Learning:** Machine Learning Foundations: A Case Study Approach(Coursera), Introduction to Machine Learning (Kaggle), Intermediate Machine Learning (Kaggle), Linear Regression with Numpy and Python (Guided Project-Coursera), Machine Learning for All (Coursera), Language Classification with Naive Bayes in Python (Guided Project-Coursera), Perform Sentiment Analysis with Scikit-learn (Guided Project-Coursera)

SCHOLASTIC ACHIEVEMENTS

- Received INR 20, 000 scholarship for overall academic excellence during my stay in Birla Vidya Mandir (2012-2017)

EXTRA - CURRICULAR ACTIVITIES

- **Winner**, CSGO Wingman Tournament, IIITD&M, Kancheepuram, 2020
- **Runner-Up**, CSGO 5v5 Tournament, Samgatha, IIITD&M, Kancheepuram, 2019
- **Two year Consecutive Winner**, Computer Quiz, Sanskriti, ST. Mary's Convent School, Nainital, 2015-2016
- **1st**, Content Writing, **First Sarala Birla Conclave**, **B.K. Birla**, Pune, 2016
- **2nd**, Content Writing, **First Literary and Cultural Fest at**, **Birla Vidya Mandir**, Nainital, 2017