Ujjwal Kumar

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EDUCATION

Lakshmi Narain College of Technology, Bhopal, Madhya Pradesh, India

- B.E in Computer Science & Engineering — May 2014 – Present

Kendriya Vidhyalaya, Patna, Bihar, India

- AISSCE in Science — Apr 2013
  - Grade: 89.6 %

MOOCS

- Applied Machine Learning at Appliedaicourse.com — Feb 2018 – Present
- Machine Learning by Stanford University at Coursera.org
  - Grade: 96.1 %

SKILLS

Programming Languages: Python, Javascript, SQL, HTML, CSS, C(Basic), C++ (Intermidiate), Java (Basic)

Machine Learning Algorithms: K Nearest Neighbours, Naive Bayes, Logistic Regression, Linear Regression, Support Vector Machines, Decision Trees, Random Forest, Gradient Boosting Decision Trees, K-means, Hierarchical Clustering, DBSCAN

Software Packages and Frameworks: Angular, Node.js, Octave, MySQL, Latex

Platforms: Linux, Windows

PROJECTS

Netflix Movie Recommendation System [Notebook]

Description: Explored the data and built machine learning models using user-user, movie-movie and collaborative filtering based models in combination with KNN and Xgboost regressor to predict the rating of the user on a particular movie and suggest accordingly

Skills: Python

Personalized Cancer Diagnosis [Notebook]

Description: Explored the data and built machine learning models such as KNN, linear regression, xgboost using the one hot encoded and response coded features to predict the type of cancer, based on gene, variation, and clinical evidence

Skills: Python

Cab Pickup Density Prediction at a Particular Time and Location [Notebook]

Description: Cleaned the data, Explored the features (EDA), removed Outliers and built and compare machine learning models like linear regression, random forest, GBDT and Time Series based models like simple, weighted and exponential moving average models to predict the density of pickup requests at a particular location and time in New York City based on historical data.

Skills: Python

Sentiment Classifier on Amazon Fine Food Reviews [Notebook]

Description: Cleaned the noise and inconsistencies in the data, Performed NLP tasks to clean the text and built and compare classification machine learning models such as K-NN, Logistic Regression, Random Forest, GBDT, etc on different features vectors of text.

Skills: Python, SQL

LANGUAGES

- English: Fluent (speaking, reading, writing).
- Hindi: Native language.

INTERESTS

- Discussing and debating on Machine Learning concepts
- Playing Computer Games
- Fixing broken electronic items.