Harshit Agarwal

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EDUCATION

CTAE | B-TECH | 2016-2020
Computer Science & Engineering
Current GPA: 6.89

SHRI GULABRAI SCHOOL
10+2 | Mathematics | UP
Percentage: 86.2

SKILLS

TECHNICAL SKILLS

Programming Languages
Python • SQL • JAVA • C++ • C

CS Fundamentals
• Data Structures and Algorithms
• DBMS and Operating System

Linear Algebra and Statistics
• Mean,Median,Mode,Distributions
• Hypothesis Testing,A/B testing
• Chi-square test,t-test

Machine learning Algorithms
NaiveBayes, SVM, DecisionTree, Linear Regression, K-means KNN, Ensembling, XGBoost, LightGBM etc..

Deep learning Algorithms
ANN, CNN, LSTM, Seq2Seq model

Tools and Libraries
Sklearn, Keras, Numpy, Pandas, Matplotlib Seaborn, Jupyter Notebook

Others
IOT, Tableu, HTML, CSS, Wordpress etc..

SOFT SKILLS

• Problem solving and Critical thinking
• Team Player and Collaborative
• Storytelling and Adaptability
• Communication and Curiosity

CERTIFICATIONS

Deep Learning by Coursera
Data Structures and Algorithms by GeeksforGeeks
Internet of Things by Internshala
Data Analysis and Visualization with Python by Udemy
Machine Learning by Udacity
SQL by Udacity

WORK EXPERIENCE

ANALYTICS VIDHYA | DATA SCIENCE INTERN
May 2019 – July 2019 | Gurugram, IN

- Designed and implemented an Deep learning Encoder-Decoder model for Hindi to English Translation with a BLEU score of 0.30
- Research and development of Machine Learning and Deep Learning models to create world's largest Data Science portal: DataMin

FUSION INFORMATICS LIMITED | DATA SCIENCE INTERN
December 2018 – February 2019 | Ahmedabad, IN

- Designed and Implemented a SVM prediction model from scratch on Sklearn to rank products based on reviews given by users
- Extracted data from client website using Web-scrapper and did data cleaning and prepared dataset to fit the model

PROJECTS

BENGALI AI HANDWRITTEN GRAPHEME CLASSIFICATION | Computer Vision | Kaggle
Github:// AgarwalGeeks/Bengali-AI-Handwritten-Grapheme-Classification

- Implemented a CNN Model with Batch Normalization with 0.93 macro-averaged recall to classify Bengali Grapheme
- Used Python and Keras to build the model and created visualization charts using matplotlib and seaborn

LUNAR ROCK CLASSIFICATION | Computer Vision
Github:// AgarwalGeeks/Lunar-Rock-Classification

- Implemented a CNN Model with Data-Augmentation with 95% accuracy to classify Lunar Rocks into different classes
- Used openCV to process Lunar rock images and keras to implement the model

TOXIC COMMENTS CLASSIFICATION | Deep Natural Language Processing | Kaggle
Github:// AgarwalGeeks/Toxic-comments

- Implemented a Bi-directional LSTM with Glove word Embeddings to Classify Wikipedia comments into different levels of toxicity
- Used Tokenization to build features and put Dropout layer to improve performance by 10%

DATA SCIENCE HACKATHONS

AMEXPERT,AMERICAN EXPRESS | ANALYTICS VIDHYA

- Implemented a CatBoost Machine Learning Classifier to build a model which can predict whether a customer will redeem Discount coupon or not.
- Achieved 0.93 AUC score & secured 195 Rank on Leaderboard