Ashutosh Wagh

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Professional Experience

Business Analyst, The Clearing House June 2023- Present

- Cleaned and pre-processed customer traffic data from Amazon using Excel.
- Automated the process by developing an **ETL (Extract, Transform, Load)** pipeline using **Power Query** saving **2 hours of work time monthly**.
- Built dashboards to depict the incoming traffic on a 24 hour basis 7 days a week, ensuing better resource allocation.
- Wrangled data on a daily basis to create ad hoc reports and dashboards.

Technical Project Manager, Ventive Oct 2021 – Oct 2022

- Managed project portfolios ranging from $10k to $96k employing Scrum methodology.
- Communicated effectively with clients to identify needs and evaluate alternative business solutions with project management.
- Worked with QA team to create the flow for the test scripts and run UAT sessions with the business.
- Spearheaded a team of 5 engineers to develop and ship the products into production within each and every sprint.

Research Assistant, UTA IDIR Lab Sept 2020-May 2021

- Trained different embedding models on Freebase knowledge graph which consisted of 304 million triples and generated trained knowledge graph embeddings by using Amazon's deep graph library (DGL) and DGLKE.
- Successfully designed and built a python script which led to the discovery of 80% redundancy in the training data**.**

Projects

CNN classifier May 2020

- Implemented a robust Convolutional Neural Network from scratch using **Tensorflow** and **Keras** framework on the **CIFAR-10** dataset for image classification.

Search Engine and Recommender for Wines Feb 2019- Apr 2019

- Implemented **search engine** and **recommendation system** on wines dataset of **5000** entries using **TF-IDF** vectorizers and generated results using cosine-similarity in Python. Cached the calculated results and capitalized on lemmatization, stop-words removal which **boosted efficiency by 25% and reduced the runtime by 10%.**
- Used **Multinomial Naïve Bayes** algorithm to classify the query according to the algorithm into its respective class.

Education

- The University of Texas at Arlington, Texas, USA May 2020
  Master of Science in Computer Science
  Coursework: Data Mining, Data analysis and Modelling Techniques, Machine Learning, Design and Analysis of Algorithms, Neural Networks.
- Mumbai University, Mumbai, India May 2017
  Bachelor of Engineering in Computer Engineering

Certifications

- Neural Networks and Deep Learning Certificate by deeplearning.ai
- Data Science Foundations: Fundamentals by LinkedIn Learning.
- AWS Machine Learning by LinkedIn Learning.

Technical Skills

Python, C, JavaScript, MySQL, Git, AWS, Cloud computing, SQL