Yashwant Singh

Data Scientist

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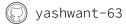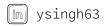## EXPERIENCE

EQUIFAX | DATA SCIENCE INTERN
May 2022 – Current | Atlanta, Georgia

- ➔ Set up an automated RCA process to identify top features causing credit score changes for over 600 credit models
- ➔ Used logistic regression and xGBoost to identify the most important attributes

SHARECHAT | ASSOCIATE PRODUCT MANAGER/ ANALYST
Sept 2019 – June 2021 | Bangalore, India

- ➔ Built a full fledged grievance redressal and ticketing system for ShareChat keeping an average resolution time to less than 8 hours
- ➔ Led a team of 5 to migrate CleverTap (a tool used for analytics and notifications) to Looker (data visualisation tool): Built Looker models from scratch while retaining all CleverTap functionalities, thereby reducing cost by 90 %, translated to savings worth $ 27000/month
- ➔ Worked with 2 Data Science team members to build an in-house Not Suitable For Work (NSFW) model to replace a 3rd party model; saved $ 25000/month

MYNTRA | DATA ANALYST
July 2018 – Aug 2019 | Bangalore, India

- ➔ Used Python to build a tool to improve line balancing and produce proactive alerts to reduce leakage in customer order consolidation, resulting in 2% decrease in leakage and annual savings worth $250,000
- ➔ Assisted respective warehouse teams with implementing changes in the order-fulfillment process, resulting in shrinking order to pack (O2P) time from 4.0 hours to 3.0 hours

PROJECTS

PERSONALISED ITEMS RECOMMENDATION | COURSE PROJECT
- ➔ Implemented Continous Time Dynamic Network Embeddings (CTDNE) and Joint Dynamic User-Item Embeddings (JODIE) to recommend items based on 7 million reviews on Amazon
- ➔ Used StellarGraph library to generate temporal random walks, and Gensim's word2vec function to generate embeddings
- ➔ Achieved a mean reciprocal rank (MRR) of 0.29 for CTDNE and 0.92 for JODIE

FANTASY PREMIER LEAGUE POINT PREDICTION | HOBBY PROJECT
- ➔ Scraped player level data from fbref.com/ for the English Premier League 2021-22 season using Beautiful Soup
- ➔ Built an ML based app on streamlit allowing users to select players and predict points using linear regression and XGBoost models, and compare players on various metrics

FULL BAND CAPTURE UTILISATION | COX COMMUNICATIONS HACKATHON
- ➔ Extracted relevant features using tsfresh, further reduced dimensions using UMAP, used HDBSCAN to cluster the FBC data to identify common impairment patterns and evaluated models using DBCV score to find the optimum model
- ➔ Created Network graph using NetworkX. Reduced the time complexity by a factor of 104 as compared to Least Common Ancestor (LCA) at the expense of increasing space complexity
- ➔ Awarded 3rd position among 18 teams

SKILLS

PROGRAMMING

- •Python: Pandas, Numpy, SciPy, Scikit-learn, Matplotlib, Streamlit
- • SQL, Git, Github, R, Looker

CONCEPTS

- • Machine Learning • Recommender Systems • Regression
- • Probability and Statistics

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
MASTER'S IN DATA SCIENCE
Aug 2021 - Dec 2022 | Atlanta, Georgia
Cum. GPA: 3.9 / 4.0

IIT KANPUR
MASTER'S IN MATERIALS SCIENCE AND ENGINEERING
July 2013 - June 2018 | Kanpur, U.P
Cum. GPA: 9.1 / 10.0

IIT KANPUR
BACHELOR'S IN MATERIALS SCIENCE AND ENGINEERING
July 2013 - June 2018 | Kanpur, U.P
Cum. GPA: 7.8 / 10.0

COURSEWORK

GRADUATE
- •Machine Learning
- •Web Search & Text Mining
- •Data Mining & Stat. Learning
- •Regression Analysis
- •Data & Visual Analytics
- •Analytical Modelling
- •Data Analytics for Business
- •Principals of Management
- •Computing for Data Analytics