B V NITHISH ADDEPALLI

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SUMMARY

- Graduate student at NYU Center for Data Science seeking internship opportunities in Data Science for summer 2019
- 2 years of strong expertise in data analytics at Paytm, one of the fastest growing e-commerce organizations in India, with a bachelor's degree from one of the world-renowned universities IIT Roorkee, India

EDUCATION

New York University, Center for Data Science   **New York, NY**
Master of Science, Data Science | GPA: 3.889/4   *May 2018 - May 2020*

Coursework: Deep Learning (Ongoing), Machine Learning (Ongoing), Big Data (Ongoing), Introduction to Data Science, Probability & Statistics, Computational Linear Algebra

Indian Institute of Technology Roorkee   **Uttarakhand, India**
Bachelor of Technology, Production & Industrial Engineering | GPA: 8.46/10   *July 2012 – May 2016*

TECHNICAL SKILLS

Programming Languages	Python, PyTorch, Proficient in Hive and MySQL, R, Spark, Hadoop, MapReduce
Software & Facilities	HPC, Github, Excel, PowerPoint, Google Analytics, Google Data Studio, Oozie
Online Coursework	Deep Learning Specialization (Coursera.com), Machine Learning A-Z (Udemy.com)

PROJECTS

New York University   **New York, NY**

1) Breast Cancer Detection through CBIS-DDSM Mammogram Scans
- Implementing deep CNN models, Residual connection & Inception Net architectures-based networks to identify breast cancerous tumors; Using multiple data augmentation methods & SPP-net to handle different sizes of images

2) Kaggle Competition - House Price Prediction
- Handled outliers; Transformed given 80 categorical & numerical features, engineered new features into 250+features
- Implemented multiple linear regression models, ensemble models like Random Forest, Gradient Boosting & XGBoost to obtain 0.14 logRMSE (vs 0.43 baseline); stacked models & optimized model hyper-parameters to improve it to 0.1

3) Personalized Game Recommendation system for Steam
- Developed user-user similarity based collaborative filtering models to obtain 47.5% precision (vs 10% baseline)
- Implemented implicit Matrix Factorization techniques using confidence function on playtime; deployed Stochastic Gradient Descent (SGD) & Alternating Least Squares (ALS) for optimizing loss function to increase precision to 57%

4) IMDB Movie Reviews Sentiment Analysis (NLP)
- Deployed Naïve Bayes, Logistic Regression algorithms and used bag-of-words, n-grams & TF-IDF techniques to optimize features and fine-tuned hyper-parameters by grid-search to increase the accuracy to 90.5%

Indian Institute of Technology Roorkee   **Uttarakhand, India**

Logistics management in Health Care Industry
- Developed a multi-criteria optimization model in C++ to provide solution for Vehicle Routing Problem (VRP) in the supply chain of blood using a novel swarm optimization technique – Bacterial Foraging Optimization (BFO) algorithm

EXPERIENCE

Graduate Course Assistant, New York University   **Jan 2019 – May 2019**
- Teaching Assistant and Grader for the course – Biological Databases & Datamining; I course for 25 graduate students

Growth Analyst, Paytm Communications Ltd., India   **July 2016 – July 2018**
- Comprehensive clustering analyses using Python & Hive on features like users' demographics, purchasing power, spend patterns, affinity, interests for effective targeting with tailored content improving CTRs by 2% & ROIs by 30%
- Implemented procedures in Python & MySQL for automated retargeting of users dropping out at various stages of the funnel to convert them into transacting users growing the overall funnel conversion rate by 50%
- Developed a Python script that maps specific users, real-time, to corresponding promocodes in promo engine by hitting their API; Facilitating cross promotions with multiple other departments of Paytm to acquire new to category users
- Proactively ensured that the Google Analytics tracking is configured & enabled for all elements of the product flows
- Designed multiple dashboards in Grafana using Lucene query and automated numerous reports in Python and Apache Oozie – server-based workflow scheduling system - that facilitate us in real-time monitoring of the business

Placement Manager, Indian Institute of Technology Roorkee, India   **August 2014 – May 2016**
- One of the Main leads of the Core Placement Team; Managed a team of 7 Company Coordinators and 40 Associates
- Reached out to more than 120 companies, managed end-to-end recruitment drives of about 40 companies handling about 200 students in each of them and contributed towards the placements of about 1800 students

ACHIEVEMENTS

- Our team was declared a joint winner in Data Science Challenge held by IIT-AGNE in Cambridge in March 2019
- Awarded as "The Legend" during the Paytm's annual town-hall ceremony 2017 for outstanding performance
- Among the top 0.6% of 500,000 students, to clear IIT-JEE - entrance examination to get into the world-renowned IITs