

ANUP PATEL

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WORK EXPERIENCE

Senior Data Scientist May 2022 – Present
Unacademy Bengaluru, India

- Worked on Lead Scoring to increase Unacademy Customer base and got recall score greater than 98 %.
- Worked on Proctoring solution for Relevel by Unacademy with greater than 97% accuracy. Through this, relevel was able to process more than 1000 videos in a few hours.
- Worked on problems like User Acquisition and Matching Algorithm, Learner Insights for Educators.

Data Scientist 2 - AI Specialist, Product Development and Innovation Aug 2020 – April 2022
Mastercard, AI Garage Gurugram, India

- Research work on Transaction Data Representation to generate high-quality transactions embedding which can be further used for multiple downstream tasks.
- Worked on Fraud detection using deep learning techniques like DNN, RNN, BERT, and Transformers
- Worked on multiple time Series Forecasting Algorithm like ARIMA, Prophet, Amazon GluonTS
- Worked on multiple AI-based Risk Scores such as Merchant activity Risk score, Anomalous time of the day
- Worked on MIPs Server Failure Predictions to predict server failure in advance and recommended a fix with precision greater than 80 %
- Worked on Acquirer Risk Optimization based on Risk Reward concept
- Worked on Revenue prediction at Issuer Level using Classical as well as Deep Learning Models with error less than 1%
- Partnered with business leaders, domain experts, and end-users to gain business understanding, data understanding, and collect requirements
- Worked on Analyzing and extract insights from internal and external data and data Pre-processing using Hive, Impala, and Pyspark

Data Science Intern May 2019 – July 2019
Airtel X Labs Bengaluru, India

- Worked on Prediction and Recommendation of Amazon Prime acquisition for Airtel Users with Accuracy greater than 85 %
- Worked on prediction of Average Revenue per user and achieved Mean root squared error less than 2 %. The model was further used for churn prediction
- Churn prediction and Offers suggestion for user retention with accuracy greater than 90 %

EDUCATION

Master of Technology (M.Tech) | Computer Science and Engineering Aug. 2018 – June 2020
Indian Institute of Science (IISc) Bengaluru, India

COMPUTER SKILLS

Data Science: Sequence Modelling, Predictive Modelling, Time Series Forecasting, Bert, GPT, Transformer, ML Pipeline, Natural Language Processing, Deep Learning, Python, Data visualization, Tensorflow, Keras, PySpark, Pytorch, Hive, Graphs

Programming: Python (NumPy, SciPy, Matplotlib, Pandas, Scikit Learn), C, C++

Finance: Fraud Detection, Risk Scores, Data Analysis

Others: SQL, Impala, AWS, Git, Statistics, Probability

ACHIEVEMENTS

- Winner of Regenerate Hackathon Organised by Unacademy on Theme Generative AI
- Secured All India Rank 142 (99.87 percentile) in Computer Science among 1 Lac + Students
- Secured All India Rank 2 in ISRO SC Written Test
- Gold Medalist in B.tech (2013-2017) for Outstanding Academic Performance