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| Yogesh Khandelwal  Experience in end-to-end development and deployment of ML-based applications | **+91-8109060516**  [**yogesh.kh1612@gmail.com**](mailto:yogesh.kh1612@gmail.com)  Hyderabad, India  [Linkedin Icon of Glyph style - Available in SVG, PNG, EPS, AI & Icon fonts](http://linkedin.com/in/yogesh1612) |
| EXPERIENCEFractal Analytics, Mumbai - *Data Science Consultant* AUGUST 2021 – PRESENT  Designed and implemented a hospital readmission prediction model for a prominent insurance provider, yielding a **10%** enhancement in performance over the previous model. This achievement led to a cost savings of **$5 million** and a potential of reducing **17%** organization's caregiver workforce.  Desi Indian School of Business, Hyderabad— *Analyst/Research Associate*AUGUST 2018 - AUGUST 2021 Automated text extraction from the quarterly earnings call transcripts of S&P 1500 firms of 15 years and 32+ GB data using python & boosted the speed of the project by 8x.  Built a text classifier and achieved 93% cross-validation accuracy from baseline accuracy of 59%.  Developed and deployed 10 different shiny apps.  Conducted in-depth text analysis of 3,500 job descriptions and presented significant discoveries to inform curriculum enhancements. Tata Technologies, Mumbai— *Data Scientist*JUNE 2017 - JULY 2018 Analyzed, developed and deployed ML models using service, demographics & post service feedback datasets to predict customer’s propensity to purchase Annual Maintenance Contract & helped in increasing AMC revenue by 40%  Initiated migration of existing ML model implementation on SAS E-Miner to Python by saving 20 million INR in license renewal Institute for Development & Research in Banking Technology, Hyderabad— *Research Associate*MARCH 2016 - JUNE 2017 Led team of 3 interns & successfully delivered GUI-based Data Analytics Software for banking professionals to perform basic data processing, EDA, statistical analysis, and building ML models.  Extracted & cleaned bank datasets and prepared case studies on Loan default prediction, churn prediction, customer segmentation, and RFM analysis. EDUCATIONDepartment of Data Science & Forecasting, UTD, DAVV INDORE— *M.Tech with specialization in Data Science (FSP)*JUNE 2014 - JUNE 2016Department of Computer Engineering, UTD, DAVV INDORE— *Bachelor of Computer Engineering*SEP 2009 - MAY 2013PROJECTSHospital Readmission Prediction – *Oct’21 to Jun’22* Developed a hospital readmission prediction model for a leading insurance payer, resulting in a **10%** improvement in performance compared to existing model and with extra **5Mn** cost savings and **17%** reduction in caregiver workforce for the organization.  [Techniques: Supervised ML Tools: PySpark, Databricks, Azure, mlflowDesign and developed and ETL utility as an extension to existing tool Analysis of Capital Market response to firm focuses on supply and demand-side innovation— *Aug’20 to Aug’21* Data Engineered accounting and finance variables from multiple sources like WRDS, capital IQ, and Bloomberg  Built a text classifier with 93% accuracy which was further utilized to calculate the proportion of relevant sentences in the text. Sports analytics project for JSW sports— *Aug’18 to Jan’19* Collected data from the social media handles of all the teams owned by JSW sports.  Performed exploratory data analysis on posts and users’ comments and reported a comparative study which was utilized for consulting to increase fan engagement on different platforms. Propensity to Buy AMC for Tata Motors — *Apr’18 to Jun’18* Data Engineered customer service, sales, demographic, and complaint data and built ML model to predict customers likelihood to purchase Annual Maintenance Contract for passenger vehicles.  ML Model-based approach helped in increasing sales revenue by 40% | SKILLS   Tools:  Python (pandas, seaborn, sci-kit-learn, NLTK, spaCy, Gensim), R, PySpark, Flask, Streamlit, Docker, TensorFlow, AWS, SQL, Databricks, MLFlow, PowerBI  ML Skills:  Supervised & Unsupervised Learning, Text Analysis, Statistical Analysis, Data Visualization, Topic Modeling, Deep Learning, Data Engineering CERTIFICATES **Deep Learning Specialization** - Coursera.  **SAS Certified Base Programmer for SAS 9.4-** SAS  **Social Network Theory & Analytics -**IIT Hyderabad  **AWS Certified Cloud Practitioner-** Udemy  **Credit Risk Modelling in R-** DataCamp |