PARTH PANDEY



CADEN	MIC QUALIFI	CATIONS		
Year		Degree /Board	University / Institution %/CGP	
2025*	Post Grad	duate Diploma in Business Analytics	IIM Calcutta, IIT Kharagpur, ISI Kolkata	-
2021	B.Tech Mechanical Engineering		Indian Institute of Technology Kanpur	7/10
2016		CLASS XII	Disha Delphi Global Senior Secondary School	83.2 %
2014		CLASS X	Aditya Birla Public School	9.6/10
KEY SKII	LLS/TOOLS	Time Series Forecasting, Statistical	Inference, ML, NLP, DL, Python, R, SQL, Tableau, PySp	ark, Excel
VORK I	EXPERIENCE	E (23 Months)		
terlite T	Technologies	Busin	less Analyst Hyderabad (Aug '21 - Jul '2
Project Monitoring and Control		 ■ Spearheaded implementation of DMAIC and Six Sigma to improve Cycle Time and Defect Removal Efficient ■ Performed Hypothesis Testing & Linear Regression to identify root cause in process performance mode ■ Drive action plan and improved cycle time from 300 to 186 days (38% ↓) TAT and increased DRE by 35 		
Quality Analytics (NLP)		■ Built multi class classification model on 20k incidents for FTR ; used text pre-processing, TFIDF embedd ■ Employed Multinomial Naïve Bayes achieving accuracy 80% , improved it to 91% with Random For ■ Analyzed incidents based on category, region resulted in reduction of 70% incident and saving of ~ Rs 4		
	Developed BoQ generation using Python resulting in submission of 70 ■ Build SQLite database of EB Bill through extraction of fields from 10K ■ Created a Tableau dashboard for EB Bill, MB record & AT to track projections.		igh extraction of fields from ${f 10K}$ POPs of 3 Authorities	es using Seleni t
ACHIE	EVEMENTS		ter in Oct'2022 for driving automation with team of TL Service Business achieve the prestigious CMMI Le	
WARD	S AND ACHI	EVEMENTS		
	nolastic evements		E Advanced'17 and ranked AIR 1575 / 1.1 Million-99.04 percentile (overall) out of 2 L+ candidates in	
Com	■ Ranked 3 rd in GenAI based Unifi PDF ESG Metric I ■ Ranked (3/112) in Product Data Classification Ch ■ Ranked (2/385) in Networsify, IIT KGP'23 worth Ranked (2/385)		ssification Challenge, by Rakuten Institute of Tecl	nnology Paris
Cert	ification	■ Certified Six Sigma Green Belt- MQAS,	2023; Certified Python Financial Analytics- Henry Ha	arvin Analytics
CADEM	MIC PROJECT	ΓS		
Pre	se Price ediction gression)	 ■ Predicted listing price for 70k+ Airbnb properties (26 features) with linear and polyno. regression mode ■ Treated outliers; Tackled multicollinearity (VIF and backward selection); Applied Ridge regularization ■ Analyzed residuals with KS test & QQ plt. Built DT, RF & XGB regressor; ↑R2 by 23% to 0.75 with XG Bo 		
	timodal cation (DL)	 ■ Pre-processed an ecomm. multimodal dataset (text+image) of 99k products to classify them into 27 class ■ Fine-tuned the pretrained models (unimodal): ResNet50 for image [0.6] & BERT for text [0.87] [F1-scot ■ Combined image & text inputs into multimodal framework (0.3↑ in F1-score over image-only classified) 		
Forec	gn Tourist cast (Time eries)	■ Forecasted monthly Foreign Tourist Arrival in India using 15 years ITS data, removed trend and seasonal ■ Identified stationarity using ADF test, AR MA orders by ACF-PACF plots, residual analysis by Ljung-Box t ■ Tuned SARIMA model and achieved 3.7% MAPE; Improved to 3.03% using USD index as exogenous v		
Segm	ustomer ■ Performed customer segmentation on a retail trans. dataset (3.5 L obs.) for targeted marketing camp ■ Implemented RFM analysis for feature engineering; applied PCA; used K-means, agglomerative and D ■ Identified opt. 4 segments with customer profiling by elbow method; silhouette score 0.83 & DB index			rative and DBS
ADDITIO	ONAL PROJE	ECTS		
(Fina	cy Prediction ncial Risk agement)	 Developed model to predict Alphabet Inc. stock price volatility, tested stationarity of log returns by A Utilized GARCH model by performing LM test for ARCH effects and ACF/PACF analysis of squared returns. Improved MAPE from 12% (obtained for the GARCH) to 5% by using LSTM trained with the rolling sd displayed. 		
	ot Assistant GenAl) ■ Developed chatbot for disease surveillance that answers based on 6 TG Booklets using RAG and Lang Created embeddings with sent. transformer and stored in Chroma db; designed chain with Retriev Generated response with Llama-2 LLM, got ROUGE-1-gram score of 0.51; deployed on Streamlit into			vith Retrieval
Fraud	■ Built classifier to detect fraudulent claims from 1L records, Applied SMOTENC to treat class imbalance (■ Performed EDA ; Trained Logistic and XGBoost classifiers. Hyper params. tuning through Grid-Searce ■ LR setting at opt. threshold (0.61) gave a best precision score of 0.91 ; Feature importance using SHAP			h Grid-Search

POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

National Competition Silver medalist in Table Tennis event, Udghosh'18, IIT K; Represented twice in Inter IIT Sports Meet'18,19

ELECTIVES: DL, Econometrics, Computational Finance

INTERESTS: Cricket, Stock Market, Pool